

1952

Book I

Breeding Nuts

U. S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH ADMINISTRATION

BUREAU OF PLANT INDUSTRY, SOILS
AND AGRICULTURAL ENGINEERING

CEREAL CROPS AND DISEASES

AGRONOMIC NOTES

make row 11 feet long
and 3 or 4 foot alleys
Use 7 tiers per block

Diagram page 44

2163 } cross with BBT-50
* 64 }
65 }

2137, was this crossed with Cent
in 1951?

Tetras

2421 to 2425

2583, exaptionally bad for H₂O.
uniform
good to cross with resistant
type. Show to Todd.

2439 sterile Cent, ^{types present} within an occasional
seed (Crane sowed seeds)

Send 2015216 to Chen.

5118
short red gr.
crown

EXPLANATIONS OF HEADINGS AND ABBREVIATIONS OF TERMS USED.

SIZE OF PLOT.—Decimal fractions of an acre, as 0.1, 0.025, or, in the case of nursery rows, length in feet.

RATE OF SEEDING.—In pecks per acre.

DATES.—In figures, as 9/15 (=Sept. 15).

STAND.—In thousands of plants per acre wherever possible; otherwise in percentages.

SPRING SURVIVAL.—Given in percentages based on number of plants per acre surviving the winter as compared with stand the previous fall.

MANNER OF GROWTH.—e.=erect; sp.=spreading (of value in distinguishing spring and winter grains).

HEIGHT.—Given in inches; in the case of bearded varieties, measure to tip of heads, not to tip of beards.

INFECTION:

Smut and bunt.—Notes taken at time of ripening. State percentage of infected heads. For example, if 10 heads out of 100 are smutted, the infection is 10 percent.

Leaf rust.—Taken at time of full heading; state the proportion of infected surface in accordance with the accompanying scale.

Stem rust.—Taken at time of ripening; express in percentages as for leaf rust.

LODGING.—Given in percentages of plants lodged at time of ripening.

SHATTERING.—Given in percentages of shattered grain when fully ripe.

YIELD:

Total weight of crop.—Weight of total crop from plot both grain and straw, in grams, ounces, or pounds.

Grain per plot.—Grams, ounces, or pounds of threshed grain.

Straw per plot.—Difference between two preceding weights.

YIELD PER ACRE.—Calculated from plot yield, in bushels of legal weight; wheat, 60 pounds; oats, 32 pounds; barley, 48 pounds; rye, 56 pounds; emmer and spelt, 32 pounds; flax, 56 pounds; proso, 56 pounds; buckwheat, 48 pounds; rice, 45 pounds.

WEIGHT PER BUSHEL.—Actual weight as determined by the grain tester.

GENERAL DATA

In case of the series of row or plot tests it is desirable to have all the constant conditions recorded for future reference. For these data the pages following may be used. The sample page shows the manner in which the general notes may be entered. In case several sets of experiments are recorded in a single book the conditions governing each may be given, the heading at the top of the page showing to which particular test the notes refer. The blank pages may be used for additional data, particularly to record the high, low, and mean temperatures, the rainfall, and the number of clear days for each month covered by the experiment.

SAMPLE PAGE

VARIETAL TEST OF OATS, 1908

CONDITIONS OF EXPERIMENT

PLOT

Location.....Field H.
Size.....1/20 acre.

SOIL

Kind.....Prairie loam.
Position.....Somewhat rolling.
Previous crop.....Corn.

NAME AND CONDITION OF MACHINERY

Plow.....
Disk.....Osborn.....Sharp.
Harrow.....U Bar.....Good.
Seeder.....Monitor.....Good.
.....

SEED

Variety.....Variable.
Weight per bushel.....Variable.
Source.....Variable.
Treatment.....Fanned clean and treated for smut.

SEED BED

Preparation :

1. Disked (lapped half).....4-6-'08.
2. Disked (lapped half).....4-10-'08.
3. Harrowed.....4-10-'08.
4. Harrowed.....4-27-'08.
5. Seeded.....4-27-'08.
6. Harrowed.....4-27-'08.

SEEDING

Manner.....Drilled.
Date.....4-27-'08.
Rate.....3 bushels per acre by weight.

TEST OF _____, 19_____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation :

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

SEEDING

Manner_____

Date_____

Rate_____

TEST OF _____, 19____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation :

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

SEEDING

Manner_____

Date_____

Rate_____

TEST OF _____, 19____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation :

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

SEEDING

Manner_____

Date_____

Rate_____

TEST OF _____, 19_____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation :

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

SEEDING

Manner_____

Date_____

Rate_____

TEST OF _____, 19_____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation:

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

SEEDING

Manner_____

Date_____

Rate_____

TEST OF _____, 19

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation:

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

SEEDING

Manner_____

Date_____

Rate_____

TEST OF _____, 19____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation : _____

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

SEEDING

Manner_____

Date_____

Rate_____

TEST OF _____, 19_____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation :

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

SEEDING

Manner_____

Date_____

Rate_____

2001	101	B4045B47-4-2-2-1, 7/29, glutinous Purplest tinge to glumes. Looks like 5309 blood, proliferation charact.	2255
2002		7/28 "	✓
2003		7/27 - 8/4 " sepp. glut + covered glut	✓
2004		7/27 sepp. Burd	2256
2005		B4045B47-4-2-2-2 7/29 W	✓
2006		B4536A1-9-2-3(R-7689) Hill Mod 8/2 green straw long st. sepp. little	2435
2007		8/4 " green straw	✓
2008		B4536A1-3-24 8/1 "	2451
Indian Veg Charact. dry straw			

2451	B4536 A1-3-1-4, 8/1	R-7689 x Hill Med.	2009
	dry stream		
2452	B4536 A1-3-2-1, 7/31	"	2010
	and, chap, dry stream		
✓	" 7/31	"	2011
	dry stream		
2454	B4536 A1-3-3-2, 8/2	"	2012
	dry stream		
✓	" 8/1	"	2013
✓	" 7/31	"	2014
2462	B4536 A1-3-5-2, 7/30	"	2015
✓	"	"	2016

are rather tall, low sand, veg chm

as short stemmed
and char. v. long
stemmed

2017

B4536A1-3-5-2, P-7689x

Hill Med.
24621/30
Send sample to Chan?

2018

B4530A1-2-2-2-1, TP49xHill Med

2473

(no leaf drying on 9/25)
Prominent, long stream

2019

7/31

"

✓

2020

B4530A1-6-2-2-1

"

2490

not a chick
7/31

2021

8/1

"

"

✓

2022

8/3

"

"

✓

2023

B4530A1-19-1-1-1,

"

2493

8/5

2024

8/6

"

"

✓

These 3 are shorter, more slender + more at fr. than 18+19
These 2 short slender, green stream, large stream

B4530A1-36-2-2-2, TP49X Hill Med.
2506 7/26 8/6 2025

✓

7/26

short stem
more sturdy than
A1-39 family

2026

B4530A1-39-2-2-1,
2507 7/25 8/5

"

2027

✓

7/25 8/6

short stem
"

2028

B4530A3-10-2-1-1,
2513 7/25 8/5

"

2029

✓

7/27 8/5

are tall now →
rather wide leaves, exserted
grain spikes & quality

2030

✓

7/24 8/5

are tall now →
rather wide leaves, exserted
grain spikes & quality

2031

B4530A1-51-3-1-1,
2519 7/31

"

2032

2033

Lured parricides
acct clean for H.O.C.D.

B4530A1-5731-1-1, TP49 x Hill Med

2519

2034

"

"

✓

2035

B46-4935-21-2-1-1, Hill Natl Cr.

8/6

2535

2036

"

"

✓

Hv

8/5 Hn 8/20

Ripe on 8/20

Much damage on leaf sheaths
Have Todd check this

2037

"

"

✓

2038

B46-4955-24-2-1-3,

"

2536

8/4

2039

"

"

✓

8/4

2040

B459A3-14-1-2-1, Hill Sel x Rexar

not a check

2616

7/25 - 8/1

Hv

Wider lures & covered ground
store than A3-30 on 9/15
later mat.

2616	B459A1-3-14-1-2-2-1	7/26	8/2	Study strong, erect pose V. good gr. shiny & quick superior to Cent. (less white eye) V. p. covering Earlier than Cent.	Hill Sc/x Remark	2041	<u>Nh</u>
✓	"	7/25	8/2			2042	<u>Nh</u>
2733	B459A1-3-2-2-3	7/25	8/6	full grain types	"	2043	
✓	"	7/24		see comments on 9/15 including A3-14 birds are standing perfectly	"	2044	
✓	"	7/23				2045	
2738	B459A1-4-1-2-2	7/26		rather full of aque texture	"	2046	
✓	"	7/26		best values / shall show / poor grain texture	"	2047	
2754	B459A1-13-1-1-2	7/30		Remark grain type	"	2048	

2049	B459A1-13-1-1-2 7/25	Tall roots full grown	Hill Set Rens 2754
2050	B459A1-19-3-1-2 slender 7/30 Seg		" 2768
2051	" fuller than Rex 7/22 - 8/1 Seg	are tall none	" ✓
2052	B459A1-27-2-2-1; 7/19 - 7/20 Spindly and in uniform shorter than 2053, 2754	1952	" 2778 ↑
2053	" prob too tall 7/18 - 8/1	no stink 8/1952	" ✓ ↓
2054	" 7/18 - 8/1	no stink	" ✓
2055	B459A1-28-1-2-4 7/18 - 8/1		" 2784
2056	" 7/20 - 8/4	All Fencing O.R. 9/5	" ✓

B459A1-31-4-1-1

2788

7/22

8/7

Hill/Selx Report

2057

"

"

2058

✓ Large culms, shorter than BBT 50
and earlier. Leaves very green on 7/23.

8/10

"

"

2059

✓

7/24

8/10

BBT 50

8/22

2060

B459A1-31-5-1-1,

2793

7/24

8/7

"

2061

"

"

2062

✓

7/24

-8/7

B459A1-44-1-2-2,

2805

Excellent quality

7/23

8/7

"

2063

✓

"

"

2064

7/21

8/7

2065	B459A1-44-2-1-1, Hill Excellent qual. 7/20 - 8/7		Sel x Repair 2807
2066	7/19 - 8/5	much like 2068 & 69 for lt + ring. lt.	" ✓
2067	7/22 - 8/6		" ✓
2068	B459A1-44-4-2-2, " 7/21 - 8/8		2818
2069	7/21 - 8/6	more lt + taller than adj. case.	✓
2070	B459A1-49-1-2-2, " 7/22 - 8/6		2828
2071	7/23 - 8/7		" ✓
2072	7/24 - 8/5	short short, 1/2 green stream are extending slightly on 7/15 med, wide defined	" ✓

Serial Exceptionally strong
than. Thought superior
to Cent. also better game

B459A1-52-3-1-4	Hills	1x Perak
2853	longer than Rex 8/1 - 8/14	2073
V	Tall row '52 " 8/1 - 8/14	2074
B459A3-5-2-2-1	Tall row '52 7/25 - 8/14	2075
2884	" 7/24 - 8/10	2076
B459A3-9-1-2-1	full gr 7/24 - 8/10	2077
2907	full gr. 7/23 - 8/10	2078
B459A3-8-4-1-2	more al than 2077+78 7/23 - 8/10	2079
2903	BR 8/20 -	2080

1st year stem
 large stem standing
 0.10 on 9/15
 1st year stem
 stem factor, mid
 tall

2081	B459A3-8-4-1-2, Hills	Slender	2903
	7/25 - 8/7		
2082	B459A3-8-4-1-4,	Slender	" 2905
	7/22 - 8/6		
2083	"	Slender	" ✓
	7/23 Sep 8/20		
2084	"	Slender	" ✓
	7/21 - 8/5		
2085	B459A3-10-3-3-2,	Slender	" 2915
	7/30 - 8/12		
	Saved and good growth		
	mm, v. slender,		
2086	"	v. slender	" ✓
	8/2 - 8/15		
	Taller than most,		
	long, v. slender green,		
2087	B459A3-10-3-4-1,	roque, straw bella	" 2916
	9/30 Sep 8/28		
	Tall,		
2088	B459A3-10-1-2-2,	"	" 2925
	7/25 - 8/10		

B459A3-11-1-1-1, H.11 Sel x Pexork
 2929 8/1, Sep 8/25 2089
 2 later

✓ 7/22 8/25
 mostly early.
Have v. good grain shape.

2090

2081

2082

2093

2094

2095

2096

~~2097~~

~~2098~~

~~2099~~

~~2100~~

2101

B459A3-11-1-1-1, H.11/Se/ Remark
long, full 2929
7/24-8/2

2102

B459A3-11-1-1-3, " 2931
7/21-8/1

2103

" 2930
7/24-8/2 ✓

2104

B459A3-13-1-2-2, " 2939
V. slender
7/23 7/31

may be somewhat over

Prob no improvement over Cent
unless improved grain grade

B459A3-13-1-2-2, 9/15 Sol x Royark
2939 v. slender 2105

7/24 7/31

(Said as it earlier shorter and better than 11. slender Century)
7/23 7/31
a very good cut type
Standing well on 9/15
Excellent green foliage
v. slender, less mature
very thin cut.

2106

NR

B459A3-14-3-1-3,

2955 7/19 7/29

2107 S

✓

"
7/19

7/30

"

2108 S

✓

"
7/16

7/29

"

2109 S

NR

Saved for earliness, not as productive
in appearance as 2214

B459A3-14-3-2-3,

2958 7/19 7/29

2110 S

✓

"
7/16

7/28

"

2111 S

B459A3-14-3-2-3,

2959 — 8/2

2112 S

NR

2113	B459A3-14-3-2-3, H. 1/1 Sol x Remark 8/2 Rather wide lines drooping flops.	"	2959
2114	B459A3-15-1-1-2, 8/2	"	2961
2115	" 7/25 - 8/2	"	✓
2116	B459A3-18-1-1-1, 7/23 - 8/2	"	2971
2117	" 7/19 - 7/31	"	✓
2118	B459A3-18-1-2-1 longer & fuller than Key 7/18 - 7/31	"	2972
2119	" 7/17 - 7/30	"	✓
2120	caloro, CK		

B459A3-24-1-2-2, H. 11 Sel. x Remark
2982 full short 2121 SS

7/23 8/1

✓ " 7/22 8/1 " 2122 SS

full short
B459A3-31-1-1-1,
2994 7/23 8/1 " 2123 SS

long
✓ " 7/22 8/1 " 2124 SS

long
B459A3-B2-1-1-1,
3003 7/26 7/31 " 2125 SS

dec, grain too full & sh curved
✓ " 7/26-8/1 " 2126 SS

B459A3-33-4-2-1, " 2127 SS
3016 7/17 7/28
Has many sterile heads.

long, slender
B459A3-47-3-1-1, " 2128 SS
3032 8/2

long full Tall

2129 B459A3-47-3-1-1, Hill Sol x Revert
7/22 - 7/31 3032
has a green rachis when grains
are ripe, most too tall
long

2130 " " 7/20 - 7/30 ✓

2131 long & tall
B459A3-2-1-1, " 3070
7/28

2132 long & tall
7/28 " ✓

2133 long
7/26 " ✓

2134 long
B459A1-97-2-1-3, " 3072
7/26 - 8/6

2135 v. long, full
7/25 - 8/6 " ✓

2136 v. long, full
B4513A1-13-2-1-2, Hill Sol x BB
7/23 - 7/30 3085
✓
v. long full

B4513A1-23-1-1-1, H.11 Sel x BBT
 3090 7/15 7/24
 lodged on 9/15 2137

rough long

✓ " 7/16 7/27 2138

rough long

✓ " 7/17 7/27 2139

rough long

Rep. 2140

B4513A1-25-1-1-2, " 2141
 3093 7/23 7/31

Tall

✓ " 7/23 7/31 2142

Tall

B4513A1-25-12-2 " 2143
 3095 7/25 8/2

Slender v. slender stem bulb

✓ " 7/25 8/5 2144

Slender v. slender, stem bulb.

all look alike, but fine rough
 rather tall
 used in Crossing Program
 for each mutant.

2145	B4513A 7/23 - 7/31 shorter stem than others slender.	Hill Sel x BBT 3095
2146	B4517A1-5 7/25 Seg ↑ short, full	Hill Sel x TP x R-7689 3131
2147	" Tall rose	" ✓
2148	short, full B4512A1-4 7/20 - 8/4	Hill Sel x BBT 3195
2149	sl. BBT 7/19 - 7/29	" ✓
2150	sl. BBT B4512A1-20 7/18 - 7/29	" 3210
2151	sl. BBT 7/19 - 8/1	" ✓
2152	sl. BBT 7/17 - 7/27 one of earliest and like 2156 V. good. Shorter than adjacent ones not heard. sl. BBT	" ✓

Ho

B4512A1-20

3212

7/18

7/31

H.11Sel x BBT

2153

full Rex

"

7/17

7/26

"

2154

full Rex

"

7/18

7/28

"

2155

full Rex

B4512A1-20

3215

7/17

7/28

"

2156

V. uniform on chest. Shobath

stain than 2158.

full Rex, Head tip down

"

7/18

7/31

"

2157

sl. ring lit. 1 met

full Rex

"

7/18

7/26

"

2158

V. uniform. lit. one of best

full Rex

B4512A1-20

3221

7/18

8/1

"

2159

full Rex

Century ck.

7/31

8/8

2160

2161

B4512A1-20,
7/17 - 7/28Hill Sel x BBT.
3221

2162

full Ref
7/17 - 7/27

" ✓

2163

full Ref
B4512A1-32,
7/17 7/25

" 3224

2164

full
7/17 - 7/25

" ✓

2165

full
7/17 - 7/27

" ✓

2166

full
B4512A1-32,
7/17 - 7/28

" 3226

2167

sl. BBT
B4512A1-32,
7/17 - 7/29

" 3229

2168

BBT-gr.
7/17 - 7/31

" ✓

sl. BBT.

B 4512 A1-32,	14 11/11 Sel x BBT.		
3230	7/18 Sep 8/3	2169	S
sl.	sl. BBT.		
✓	7/17 7/27	2170	S
sl. BBT			
B 4512 A1-32,		" 2171	S
3233	7/18 7/30		
sl BBT			
✓	7/18 7/30	" 2172	S
✓	7/19 7/20	" 2173	S
B 4512 A1-32,		" 2174	S
3234	7/19 8/1		
B 4512 A1-58,		" 2175	S
3265	7/19 8/1		
	Excellent grain shape & texture		
	slender		
✓	7/18 8/1	" 2176	S
	very good		
	slender		

2177	B4512A1-115 7/19 - 8/6	Hill Sel. x BBT 3288	
2178	" 7/19 - 8/20	"	✓
2179	B4512A(1-20 [?]) 7/26 - 8/8	"	3222?
2180	full zone check 7/25 - 8/5		
2181	B4512A(1-20 [?]) 9/2	"	3222?
2182	full B4512A(1-32 [?]) 7/28 Seq	"	3228?
2183	sl. long 8/4	"	✓
2184	B4511A1-32, Hill Sel x TP x R-SBR 7/27		3329
	full Rex		

B4511A1-32, H.11Sc1 x TP x R-SBR
3329 7/31 2185

fuel Rev
B4511A1-38,
3344 8/5 2186

✓ fuel, short
" 8/3 2187

✓ fuel short
" 8/5 2188

fuel short
B4511A1-67,
3362 8/5 2189

3362 " 2190
8/4
short
Vignier shown on 8/15
burning oil, not any sludge
no heat fuel & burner

3372 2191

2192

2193

2194

2195

2196

2197

2198

2199

2200

B45NAI-82
3392 7/20 8/10

Hill Sel x TP x R-SBR
2201

✓ " sl. BBT
7/29 8/10

✓ " full Rex
7/29 8/10

Return wing bt, gum stage per 9/15
good al. hair type good
wide leaves, large spots

" 2202

" 2203

B45NAI-31
3413 8/19

Hill Sel x TP x R-7689
2204

✓ " sl. BBT
8/19

" 2205

✓ " sl. BBT
8/5 8/19

" 2206

B45NAI-31
3415 8/19

" 2207

✓ " sl. BBT
8/19

" 2208

sl. BBT

2209	B4514A1-31, 8/19	Hill Sel	xTPxR-7689 3415
2210	sl. BBT B4515A1-13: 7/21 - 7/31 Uni, earlier than cont.	Hill Sel	x R-N 3436
2211	" 7/21 - 7/31	"	✓
2212	B4515A1-14, 7/22 - 7/31	"	" 3438
2213	v. full " 7/21 - 7/31	"	✓
2214	full B4515A1-16 7/19 - 7/31 W very early maturity, Use for crossing with and for early maturity, sl. BBT	W 8/20	3448
2215	7/19 - 7/31		✓
2216	sl. BBT B4515A1-21 7/21 - 8/1		3455
	Rectype		

B4515 A1-21 Hill Sel x R-N

3455 7/20 - 7/31

2217

Rex type

B4515 A1-43

3477 7/21 - 7/31

"

2218

Rex grain

✓ " 7/22 - 8/2

"

2219

Rex grain

BBB 50

8/10

8/21

2220

Rex grain in 1951

B4515 A1-43
3477 7/25 - 8/18

"

2221

B4515 A1-43

3481 7/22 - 8/4

"

2222

grain shorter than Rex in 1951

✓ " 7/20 7/31

"

2223

✓ " 7/19 - 7/30

"

2224

2225 51-3595-1 Nolte Cent 3595
 7/31 - 8/8

2226 long
 " - 2
 7/26 - 8/5

2227 Zenith type
 " - 3
 7/25 - 8/4

2228 long
 " - 4
 7/25 - 8/6

2229 long
 " - 5
 7/28 - 8/6

2230 long
 " - 6
 7/26 - 8/6

2231 long
 " - 7
 7/26 - 8/6

2232 long
 " - 8
 7/25 - 8/4

long

all somewhat 2 types, as quite tall & mixed
 as still appear v. production

B51-3595-9
3595 7/24 - 8/3

Nolte Cent.
2233

✓ long
" -10
7/26 Sep 8/6

"
2234

B51-3601-1, Tall Century (Nolte)
3601 7/22 7/31

2235

✓ v. tall
7/22 -2
7/31

"
2236

✓ v. tall
7/22 -3
7/31

"
2237

B51-3621, Century Rogue (Nolte)
3621 7/25 8/4

2238

Aug. straw & gold in '52
straw hull brown

✓ " 7/28 8/5

"
2239

straw hull in 1952

BR

2240

straw hull

2241 B51-3621 Cent. (Nolte) 3621
7/27 - 8/6

2242 straw-hull
" 7/29 8/6
✓

2243 B51-3636 -1 Cent. Rogue (Nolte) 3636
7/27 - 8/6
Tall row, med-gr. types
med-gr

2244 " 7/27 - 8/4
✓
Sep. straw & gold.
med-gr

2245 " 7/25 - 8/3
✓
Sep. straw & gold
Type, sep. gold, about Cent length & breadth
med-gr

2246 " 7/27 - 8/7
✓
gold row, med-gr, Cent Type
Sowed longest grained types
med-gr

2247 " 7/28
✓
V. tall, med-gr, smooth, Sep. straw & gold
med-gr

2248 " 7/31
3637
Sep. hulls, smooth, med-gr
sowed for straight head character
Sm. Smooth

Sowed heads for possible male sterile
character, sowed normal heads

B51-3637	3637	-1	Cent. Rague	2249
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✓	Sm. Z.	"	- 2	"	2250
			8/1		

✓	Sm. Z.	"	- 3	"	2251
			7/25		

✓	"	"	- 4	"	2252
			8/3		

3644	Sm. Z.	"	- 5	"	2253
			7/28		

✓	long	"	- 6	"	2254
			7/31		

✓	long	"	- 7	"	2255
			7/31		

B51-3646	3646		Dish. Century	2256	
			8/1		

straw

full of Cent. about a Ray
green on Cent. like
apparently green
shorter than century grass

6 Row
plant

2257	B51-3646, 7/31	Dish. Cent.	3646
2258	straw "	"	✓
2259	full straw B51-3649, 7/30	Cent Rogac (Dish)	3649
2260	v. long gr Caloro check 8/6		
2261	B51-3658, 8/1	Cent. (Maxwell)	3658
2262	straw, sl. Bkt. B51-3660, 7/25	"	" 3660
2263	sh. med-gr bad for shade-belt gold, med-gr rogue B51-3662, 7/25	"	" 3662
2264	straw Cent 8/1	"	✓
	straw, long		

B51-3667-1 Cent. 231 Not Cross
3667 8/11 2265 S

straw, Zenith type
-2
7/24-8/4

2266 S

straw, long full
-3
8/3

2267 S

med. gold
-4
7/26-8/7

2268 S

med-straw
B51-3668-1 Cent 231, off-type
3668 7/20 8/3 2269 S

str. med-gr.
" -2
8/3

2270 S

str. med-gr.
-3
7/27 8/7

2271 S

str. long
B51-3682, Cent 231 Brussard
3682 7/26 2272 S

str Cent

2273	B51-3682, 7/26			3682
2274	str. Cent. B4031A 7/15 - 7/24	Not a cross ↑		3694
2275	med. 7/15 - 7/24		"	✓
2276	med. 7/16 - 7/26		"	3696
2277	gold med. 7/16 - 7/25	for H.D.	"	✓
2278	gold med. 7/16 - 7/27	are pretty bad	"	✓
2279	gold med. B4031A1-1-1 7/18 -		Not a cross	3708
2280	med-long, full 7/12 - Rexoro check			

B403/A 1-1-1, Notl. Cross
3708 8/1

2281

med long, full

✓¹¹

8/1

"

2282

med long, full

B403/A 1-1-1,
3711 7/26

"

2283

med

✓

"

7/26

"

2284

med

✓

"

7/26

"

2285

med

✓

"

7/27

"

2286

med

✓

"

7/28

"

2287

med

✓

"

7/27

"

2288

med

2289

B403/A1-1-1,
7/30

Notl Cross
3711

med

2290

7/23 - 9/5

✓

med

2291

2292

2293

2294

2295

2296

2297

2298

2299

2300

3711 B4031A1-1-1 7/28 - 8/5 Melted cups 2301

Sepr gold & stam

med

✓ 7/28 - 9/7 2302

med

B4031A1-3-3-42-7-5-2-1 2303

3750 8/3 - 8/13

ll. Bkt

✓ 8/2 8/13 -2 2304

ll. Bkt

1 bag 3 rows med & small
out of order

2305	B 4031A1-3-3-47-7-5-2-3 8/4 - 8/14	3750
2306	sl. BBT. B 4031A1-1-4-5 8/4 - 8/14	3790
2307	V long full 8/4 - 8/14	✓
2308	V long 8/4 - 8/14	✓
2309	long B 4031A1-1-1 7/28 - Sep 8/14	Kolt cut 3721
2310	gold BBT gr. rough 7/27 - Sep 8/13	✓
2311	gold BBT gr. rough B 4031A1-1-11 8/22	3803
2312	straw, sl BBT 8/22	✓
	straw, sl. BBT	

B4031A1-1-11
3802

2313

str, sl. BBT
Century selections
3827 8/4 9/13

2314

" long BBT, gold

2315

✓ 7/28 8/9
earliest in this series

long, sl. BBT, gold
cent. sel.
3829 8/1 8/12

2316

✓ long sl BBT gold,
8/1 8/13

2317

long, sl BBT gold
cent sel.
3830 7/30 8/12

2318

✓ long,
8/1 8/11

2319

long
Cent 7/28 8/12

2320

Taller than adjacent rows.

Cent. sel.

2321 7/31 - 9/11 3830

long

2322 7/31 - 8/11 ✓

P2. L. straw

2323 7/26 - 8/5 3839
V. tall

straw, med

2324 7/28 - 8/5 ✓
V. tall

straw, med-long

2325 B 4031 A1 - 3 - 3
7/22 7/30 11 3841

V. all

straw, full

2326 7/26 - 8/5 11 ✓

V. tall

straw full

2327 7/27 - 8/5 11 ✓
V. tall

~~straw full~~

2328 ~~B 4031 A1 - 3 - 3~~
7/24 - 8/3 3872

gold BRT

Cent

~~5403141-3-3~~

3872 7/24 - 8/2

2329

fuel cent
Cent. sel.

3874 7/25 8/4

2330

straw med-gr

✓ 7/25 - 8/3

2331

straw med-gr

Cent. sel.

3903 7/26 - 8/4

Sh. earlier than

long Cent

✓ 7/26 - 8/4

Sh. earlier than Cent

long Cent

Cent. selte

3913 7/24 - 8/4

2334

straw med-

✓ 7/26 - 8/4

2335

straw med

✓ 7/26 - 8/4

2336

straw med

8/22
Sh. earlier than Cent
✓ good but high
more strength than Cent
Said later for 6 Rm Plot
✓ possible more leaf
Angled the Cent
and more leaf

Cent. Mito (1949)

2337	7/25 - 8/5	Ripe 8/19	straw Cent	3924
2338	7/26 - 8/5	8/19	straw Cent	✓
2339	7/27		Cent - 234	3943
	sl. fuller gr. than Cent, athinule, spinular sl. Bkt			
2340	7/26 - 8/5			
2341	7/30 - 8/7		Cent. 234	3943
	slender, long			
2342	7/28 - 8/7			✓
	v. full			
2343	7/29 - 8/7			✓
2344	7/28 - 8/7		med gr. med slender Cent. 234	3945
	full Cent			

drooping fls. possibly
full grain than Cent.

Cent. 234

3945 7/29 8/7

2345

full Cent

Cent. 234

3947 7/23 8/6

2346

straw, BBT grain
seg. gold + straw

✓ 7/23 8/6

2347

v. full med. long

✓ 7/25 8/8

2348

straw, BBT grain
possible Cent x 2 seg. grain shape
ob. color

3951 7/25 8/8

2349

straw full Cent
Cent. 234

3952 7/23 8/6

2350

v. full
Cent 234

3953 8/4

2351

med gr type,

✓ 8/4

2352

2353	maybe 2 x Cont. 8/7	3955
------	------------------------	------

2354	full med. length 8/3	✓
------	-------------------------	---

2355	full med. length cont. 234 argue 7/26 - 8/7	3959
------	---	------

Sm. Zenith

2356	7/27 - 8/8	✓
------	------------	---

Sm. Zenith

2357	7/26 - 8/7	✓
------	------------	---

larger than others

2358	cont. 234 argue 7/24 - 8/6	3961
------	-------------------------------	------

Sm med-gr.

2359	7/22 - 8/2	✓
------	------------	---

2360	BIB + 50	
------	----------	--

3961	cent. 234 roque 8/1	2361	S
✓	Sm. Zenith cent. 234 roque 8/1	2362	S
✓	Sm. Zenith 7/28	2363	S
3962	Sm. Zenith cent. 234 roque 7/24 8/5	2364	S
✓	gold med-gr. 7/20 8/1	2365	S
3968	straw med long molte cent. (1949) 7/27 8/5	2366	S
✓	full 7/28 8/6	2367	S
3972	full molte cent (1949) 8/3	2368	S
	straw cent		

2369	molte ant 11949 8/3		3972	
	stram, full Ant.			
2370	8/3		✓	
2371	8/2		5335-38	
	Tetra,			
2372	7/28			
	Tetra			
2373	7/28			
	Tetra			
2374	8/2			
	Tetra			
2375	8/1			
	Tetra			
2376	8/1			
	Tetra			

5335-38 8/1

2377

Tetra.
 B 4545 A 2-3-1-2-1-1
 5456 7/31

2378

gold BBT

✓ 7/28 8/8 - 2

2379

gold BBT

7/28 BR

2380

7/28
 Centary sel.
 HR
 Cent

2381

gold

✓ 7/28

2382

straw

✓ 7/27

2383

straw

✓ 7/31

2384

gold

2385 Century Sel

7ay NR
Century

gold v. long

2386 7/28

✓

gold, v. long

2387 8/4

✓

2388 med gr, full
Reidland Century Sel
7/28

Reidland
Cent pl - A
sturdy pl

2389 7/30

✓

2390 7/30

Reidland
Cent pl B
sturdy
plant

2391

2392

2393

2394

2395

2396

2397

2398

2399

2400

- | | | |
|------|--|--|
| 2401 | 7/31 - 8/12
small cross
segs. gold & straw | Bright Cent
straw hull
(found 7) |
| 2402 | 7/29 - 8/6
normal gold plant
(rich Reikland) | Reikland
Cent. PL-B
sturdy straw |
| 2403 | 7/28 - | Bright Cent
found 7
straw hull |
| 2404 | 7/28 | ✓ |
| 2405 | 7/26 | ✓ |
| 2406 | 7/28 | ✓ |
| 2407 | 7/24 - segs.

straw med-gr | Ant NR
sterile |
| 2408 | 7/27 8/8
normal row | Cent NR
highly
sterile |

Cent NR 7/28 2409
 Highly normal row.
 sterile

Cent HR 7/ 8/8 2410
 Tail peak 28
 segs, tail peak & normal.

Cent HR 7/27 8/10 2411
 strain
 segs. row, taller than cent, gold strain

Cent HR 7/26 2412
 highly seg normal & sterile
 sterile

✓ 7/27 8/8 2413
 Are haploid or grassy plant
 segs. normal & sterile

✓ 7/27 8/8 2414
 segs. normal & sterile

✓ 7/28 8/8 2415
 segs. normal & sterile.

✓ 7/29 8/8 2416
 Are hapl. or grassy plant
 segs. normal & sterile

2417	7/29 - 8/9	segs for highly sterile char	Cent HR highly sterile
2418	7/27 - 8/8		Cent HR sterile
2419	7/28 - 8/8		✓
2420	Cal - 8/13		
2421	8/2 -		Cent HR Tetrad-like
2422	7/31 -		✓
2423	7/28		✓
2424	8/31		✓

all are tetra like plants, and
 breaking true, no diploid-like
 plants present, Have more heads
 than previous Tetra-like

Cent HR 8/31
Tetra like

2425

Cent HR 7/28 8/8
normal seg for tall freak
(from abnormal row) Has tall, slender and
curly glumes

2426

✓ 7/28 8/8
normal in 52

2427

✓ 7/28 8/8
seg for freaks in 52

2428

✓ 7/29 8/8
normal in 52

2429

✓ 7/29 8/8
seg for tall freak
tail peaks not consid seed,
Prob. not curly glumes.

2430

✓ 7/28 8/8
normal

2431

✓ 7/28 8/8
seg for tall freak

2432

appears to be 2 factors,
1 Tail slender
" curly glumes (v. little seed on curly type)

2433 8/31 8/8 Cent HR
normal
from abnorm. row

2434 7/27 - 8/8
sep. for tall freak. ✓

2435 7/27 8/8
sep. for tall freaks ✓

2436 7/28 8/8
normal ✓

2437 7/27 - 8/8
normal ✓

2438
no seed
abnormal plant

2439 7/26 8/8
sep. for stunted Cent HR
norm

2440 9/16
Rex

2439 to 2456 from single 1951 row

Cont HR

7/27 8/8
sig. for stenos

2441

✓

7/29 8/8
sig for stenos

2442

✓

7/28 8/8
sig for stenos

2443

✓

7/28 8/8
sig for stenos

2444

✓

7/27 8/8
sig for stenos

2445

Psychotria male stenos

Indicately no seed on most stenos in

This group. These show more promise of being male stenos than perennials. (normal anthers, normal plants, normal growth)

2446

2447

2448

2449

7/26 - 8/9

Cent H R

2450

7/27 - 8/8

✓

2451

7/26 -

✓

2452

7/26

✓

2453

7/27

✓

2454

7/27

✓

2455

7/26

✓

2456

7/25

✓

times
 all are V. uniform
 are very bad for stunts characters
 are segs.

EBBt Row
N.R. 7/29

2457

✓ 8/2

2458

✓ 8/1

2459

Cent 7/25 8/7

2460

note
Cent
found
steriles

7/28

2461

✓ 7/27

2462

✓ 7/27

2463

✓ 7/28

2464

Advised Pamela hubbed

2465	7/24 Seg				Ant F1 mille
------	----------	--	--	--	-----------------

2466	7/24 Seg				✓
------	----------	--	--	--	---

2467	7/25 Seg				✓
------	----------	--	--	--	---

2468	7/24 Seg				✓
------	----------	--	--	--	---

2469	7/24 Seg				✓
------	----------	--	--	--	---

2470	7/25 Aug				✓
------	----------	--	--	--	---

2471	7/26 Seg				✓
------	----------	--	--	--	---

2472	7/26 Seg				✓
------	----------	--	--	--	---

(Prob. an F1 between Cent and P
2465 - 2477 from one 1951 plant)

note
Cent F

7/26 leg

2473

✓

7/24 leg

2474

✓

7/25 leg

2475

✓

7/24 leg

2476

✓

7/24 leg

2477

Cent Request 1/6
note

2478

long straw

7/27 8/8

2479

med-rough

3in 7/26 8/7

2480

2481 8/5 Cent Rogers
molts

med-gold

2482 7/27 - 8/8 ✓

sl. BBT, gold

2483 7/26 - 8/6 ✓

gold med, - rough

2484 8/2

sm. med

2485 7/28 - 8/8 ✓

slender

2486 8/3 ✓

BBT gr. straw

2487 8/1 ✓

med-gr

2488 8/7 ✓

v. full, long, rough, segs for
glut character, v. hard green

not long
7/28

2489

med - gr

✓ 7/28

2490

med - gr

2491

2492

2493

2494

2495

2496

2497

2498

2499

2500

2501 7/28 - 8/4

molte
roques

med - gold

2502 7/28 - 8/3

✓

long slender

2503 7/27 - 8/5

✓

long slender

2504

8/18

✓

long slender

molte Regues 2505
7/27 - 8/3

long sl. gold

✓ 7/24 - 8/1 2506

long sl. straw

✓ 7/30 8/12 2507

med-gr

✓ 7/30 8/1 2508

full

✓ 8/2 8/16 2509

long straw

✓ 8/1 - 8/15 2510

long straw

✓ 8/16 2511

slender BBT

✓ 8/10 2512

2513 7/27 - 8/5
med-gr
not cent
rough

2514 8/3 - 8/12
full long

2515 - 8/20
long stream

2516 7/28 - 8/3

2517 7/29 - 8/6
med-gr rough
Aubrey Jones T.P. Sel.
4012

2518 7/28 - 8/5

2519 7/27 - 8/5

2520 13/13 x 50
8/10 - 8/21

R-2689x T.P. R-SBR

B45-38 A1-1
4103 7/25 8/12

2521

✓ 11
7/24 8/1

2522

B45-38 A1-2
4104 8/4 8/13

11

2523

B45-42 A1-1
4111 8/2 8/10

11

2524

B45-42 A1-2
4113 7/24 8/1

11

2525

V. short straw, med. long,
did not appear to have white eyeB45-42 A1-2
4115 7/26 8/5

2526

B45-24 A1-6 T.P. 49x (T.P. R-SBR)
4145 7/28 8/10

2527

✓ 7/29 8/10

2528

T.P. 49 x (T.P. - R - SBR)

2529 7/29 - 8/10 4145

2530 B4524 A1-8 7/29 - 8/20 4151

2531 7/28 - 8/20 ✓

2532 B4524 A1-8 7/28 - 8/5 4155

addr
6 Row

Good Century
types grow in
6 row plots along
side of Century

2533 7/29 - 8/5 ✓

2534 B4524 A1-8 8/5 - 8/16 4161

2535 8/16 ✓

2536 B4524 A1-10 7/28 - 8/20 4168
drooping flag leaves

B45 24 A1-10, TP49x (TPxP-SBR)
 4168 7/29 by 8/20 2537
 drooping flag leaves

B45 24 A1-14 " 2538
 4178 8/5 8/15

✓ 8/5 " 8/16 " 2539

B45 24 A1-34, " 2540
 4187 (BR ?)
 8/19 -
 Beard

✓ 7/26 8/5 " 2541
 died back faster than Ant, & earlier
 fully good grain
 may be awnless?

" 8/4 8/16 " 2542

✓ awnless?
 8/16 2543

B45 24 A1-37, " 2544
 4198 8/16

2545 B4524A1-37, TP49x(TPxR-SAR) 8/16 4198

2546 B4524A1-7, 7/26 - 8/5 4202

2547 7/26 - 8/5 ✓

2548 7/26 - 8/1 ✓
adv. 6 Rowpl. Has no white-eye, better quality than Cent, at least as early, Prob. no taller Watch

2549 B4526A4-1-1-2, 7/28 - 8/8 1125

2550 7/29 - 8/8 ✓

2551 7/29 - 8/6 ✓

2552 B4526A4-16, 7/28 - 8/4 4239

V. long, curve

B4526A4-16, TP49x(TPxR-SBP)

4239 7/23 8/4

2553

V long, curve
B4526A5-1

4245

2554

✓
further than 2552+3

2555

further than 2552+3

49-279

4735 7/26

2556

straw century

✓ 7/26

2557

straw century

✓ 7/27

2558

no. white-eye

straw century

49-278, BBt x (TPxR-SBP)

4741 7/27

2559

too long

Cal
8/6

2560

2561

7/27 -

49-229

4741

are good stout
bulled Cent
types, no mink
- 28

2562

7/28

✓

2563

8/7

49-229

4743

2564

8/6

✓

2565

8/6

✓

2566

STOCK DICK

7/29

4791

2567

7/21 - 7/31

✓

2568

STOCK DICK

V.E.

7/20 Aug

4795

STOCKDICK V.E. BLOCK

4795

2569

✓ 7/20 8/2 ✓

2570

STOCKDICK MIDSEASON

4825

7/20

8/2 ✓

2571

gold

✓ 7/20 8/2 ✓

2572

gold

✓ 7/20 8/2 ✓

2573

gold.

STOCKDICK FORTUNA TYPE

4849

7/29

2574

neg. neg.

✓ 7/20 7/29

2575

neg. neg.

✓ 7/20 7/29

2576

neg. neg.

B 4544 A 1-1, R-7689 X 8975
~~STOCKDICK~~

2577 7/20 - 4879

straw

2578 7/20 ✓

straw

2579 ~~STOCKDICK~~ 4881

Harvest for
disease condition

bad for NO

2580 9/12
Rex

2581 ~~STOCKDICK~~ 8/3 4881

bad for NO

2582 8/4 ✓

2583 8/5 ✓

Harvest for
disease condition

bad for NO

R-7689 X RN

2584 8/7 B 4544 A 1-2-3-4-1 4894

R-7689 x RN

-2

4894

2585

-3

✓

2586

B45-44 A 1-11-2-1, "

4899

2587

-2

✓

2588

B 45-34 A 1-58, R-7689 x (TP x R-7689)

5105 8/5

2589

"

"

✓

8/6

2590

~~2591~~~~2592~~

~~2593~~

~~2594~~

~~2595~~

~~2596~~

~~2597~~

~~2598~~

~~2599~~

~~2600~~

B4534A1-58

R-7689x(TPx R-7689)

5105 7/28 8/5

2602 ✓

Century Rogues

Century 8/4 8/15

2601

normal from
now showing. Show hulled now, use,
normal plants

✓ 7/29 8/5

2603

✓ 7/28 8/5

2604

✓ 7/29 8/5

2605

✓ 7/28 8/5

2606

✓ 7/27 8/5

2607

all appear normal, no
of type segregates.

early med-granis
Heel medium Rogues
F1? 7/22 8/5 Jey

2608

Zx (49-9)

These 5 rows may be over and of order

2609 ~~black~~ ^{black} 7/23 - 8/5 Some as 2608

2610 7/24 - 8/5 ✓

2611 ^{Unknown,} 7/27 - 8/6 2001

2612 7/22 - 7/21 ✓

2613 7/26 - 8/5 ✓

2614 ^{Unknown,} 7/24 - 8/5 2004

~~BAVSTAN~~ B45-15-1-1-9-1-4-1, H, 11 Med, 2
2615 7/25 - 8/5 8/18 2022

B45-15-1-8-2-1-2-1, H, 11 Med, 2
2616 7/23 - 7/30 8/18 2027
short straw, v. thin, v. sturdy
smooth med. gr. good for breeding

B45-15-1-8-2-1-2-1, Diff Mod x 2
 2027 7/23 7/20 2617
 same as 2617

B45-15-1-1-8-2-4-2, "
 2036 8/6 8/16 2618

long sl

"

8/6

8/16

sl broken by than Cent
 sl later, longer grain
 but no white-eye
 good plant type

2619

Century check
 Cent 7/29 8/6

6 Row
 plot

2620

B49-12-4-2,
 2042 7/23 7/20

"

2621

"

7/23

7/20

"

2622

"

7/23

7/20

"

2623

B49-12-4-4,
 2044 7/23 7/20

"

2624

gold hulls, Cent let looks better
 than B45 15-5 (1st?)

2625 B49-12-4-4,
7/23 - 8/1 H. 11 Mr d x 2,
2044

2626 B49-12-4-5,
7/23 - 8/2 " 2045
all gold, looks better
than adjacent rows.

2627 " " 2045
7/26 - 8/5

2628 B49-12-8-2,
7/24 - 8/2 " 2049

2629 " " 2049
7/24 - 8/2 ✓

2630 B437A1-6-1-17-4-1-2 Sm BR-BR4 x 83 23
8/1 - 8/12 2054

2631 " " 2054
8/2 - 8/13 ✓

2632 B431A 49-5-1, Sm BR-BR4 x 83 23-2
8/1 - 8/13 2055

These look fairly good
are alike

2055	8/1	8/12	2633
------	-----	------	------

B4311B49-8-1, Sm BR-BR41X8323-2			
2057	7/29	8/10	2634

✓	"		"
	7/26	8/10	2635

B4311B49-9-2,-1			
2061	7/30	8/11	2636

✓	"	-2	"
	7/30	8/11	2637
	late pl		

✓	"	-3	"
	7/29	8/11	2638
	late pl		

✓	"		"
	8/1	8/12	2639

Zentk, check.			
Zen	7/29	8/11	2640

2641 84311A1-15-2-1-1, Sm BR-BP41 x 8323-2
9/1/13 2062 ✓

2642 " 9/1/13 ✓
as new heading late
gap type; and new
unim. open type;

2643 " 9/1/13 ✓
Late 1st green type.
2nd plant character.

2644 B4564A1-3-3-1-1, Bruin Sel x Z
7/29 - 8/10 2066

2645 " 7/31 - 8/15 ✓
Same to you then
2nd good;

2646 B4564A2-5-2-1-1, " " 2075
7/30 - 7/29 8/16

2647 B4564A2-11-4-1-1, " " 2086
- - 7/30 8/15

2648 " 7/28 8/15 ✓
- " " "

✓	B4564A 2-12-2-1-1, Brain Sel x 2 2092	7/27	8/16	2649
✓	"	7/28	8/16	2650
✓	"	7/28	8/16	2651
	B4564A 2-12-2-1-2, " 2093	7/28	8/16	2652
✓	"	7/25	8/18	2653
	B4564A 2-12-2-2-1, " 2094	7/29	8/18	2654
✓	"	7/28	8/19	2655
	B4564A 2-12-3-2-1 " 2101	7/20	8/19	2656

2657	B4564A2-12-5-2-1, Bruin Sol x Z 7/29 8/19	2101
2658	B4564A4-35-5-1-1, 7/29 - 8/8	" 2105
2659	7/27 - " 8/9 Too tall	" ✓
2660	BBx50 8/11 -	
2661	B4564A4-35-5-1-2, 7/25 - 8/6 8/18	" 2106
2662	B4564A4-35-18-1-2, 7/30 8/19	" 2113
2663	B4564A4-35-18-4-2 7/21 - 7/31 8/18	" 2117
2664	B4564A4-35-24-2-1, 7/24 - 8/4 V. tall	" 2126

B45 B4A 4-35-24-3-1, Bruin Sel x R
2126 7/24-7/5 2665

B43/3A2-57-1-2-2-1, Sm BR-BR41 x F-R
2266 8/1 8/11 2666

long sl. gold
" " "
✓ 8/7 8/17 2667

long sl. gold
" " "
✓ 8/7 8/18 2668

long sl. gold.
B433A2-6-10-7-1-3, B41-3299 x (R-SBR x BR41)
2412 7/27 8/8 2669

long sl. gold
" " "
✓ 7/27 8/8 2670

long sl. gold.
B4510A3-2-1-1, R-7689 x Hill Med
2415 8/2 8/15 2671

✓ 8/2 8/14 2672

a good mid sp
typical short stem
stem hollow, white

brown
plant

B459A1-117-1-1, Hill/Se/x Roxark

2673

7/30 - 8/9

2662

6 Row
plot

A good med grain type
BR texture; short stem, gold
hulls Watch

2674

"
7/28 - 8/9

"

✓

2675

"
7/29 - 8/9

"

✓

2676

"
7/30 - 8/7

Upland Var.

1226

Upland Var

2677

7/31 - 8/7

"

✓

2678

8/1 - 8/7

"

✓

2679

8/4 - 8/15

B458A
rogue
Early

2680

BR

Leaves are badly
discolored & 7/30
to 8/1 C.O. or phg.

B438A roque Early	1st bld. 8/4				2681
2423 B4536 A1-3-1, R-7689 x H. 11 Mod	midseason long-grain types 8/6				2682
✓	" 8/6				2683
✓	" 8/6				2684
B4536 A1-9-1-1, 2430	8/20		"		2685
2433	8/6	-2,	"		2686
✓	" 8/7		"		2687
B4536 A1-24-1-1, 2441 - Aug 9/10			"		2688

2689

B4536A1-24-1-1,
 8/5 9/10

R-7689x

Hill Med
 2441

2690

B4536AA1-24-2-4,

"
 2445

good

Hill med straw; short & sturdy;
 quite long heads, good
 med-lobed grain; fuller than B12.

2691

1	2
2001	2090
2101	2190
2201	2290
2301	2390
2401	2490
2501	2590
2601	→ 2690

2692

2693

2694

2695

2696

3	4
2701	2790
2801	2890
2901	
3001	
3101	
3201	
3301	3390

5	6
3401	
3501	
3601	
3701	
3801	
3901	
4001 to 4037	

was 4 foot tall

2697

2698

2699

2700

B4536A1-24-2-4, R-7689x Hill Med.
 2445 8/6 9/6 2701

full med.

✓ " 8/5 9/6

Have very green
 streamer over-ripe

2702

full
 B4536A1-3-4-1,
 2456 8/6 9/6

full Rex

✓ " 8/4 8/6

full Rex

These birds are extremely clean stream
 Dried Patos appendages.

During back rapidly
 white-eye

2703

2704

These 3 birds may be considered of another

- | | | |
|------|---|----------------------------|
| 2705 | B4536 A1-3-4-1,
8/4 - 8/16 | R-7689 x Hill Med.
2456 |
| 2706 | longer, full Rex, hooded
B4536 A1-9-2-2-2,
8/4 - 8/16 | "
2466 |
| 2707 | full Rex
8/4 - 8/16 | "
✓ |
| 2708 | full Rex
B4530 A1-2-2-1-1,
8/30 | TP49 x Hill Med
2471 |
| 2709 | v full Rex
8/30 | "
✓ |
| 2710 | v full Rex
8/8 Aug 8/27 | -2-
" 2472 |
| 2711 | 8/8 Aug 8/27 | "
✓ |
| 2712 | B4530 A1-4-3,
8/3 - 8/16
+ all | "
2477 |
- full Rex
- Tall, have stubby

B4530A1-4-3,

TP49 x Hill Med.

2477

8/2

8/15

Tall

2713

full Rex

B4530A1-5-1-1-2,

"

2479

8/5

8/17

2714

RN type grain

"

"

✓

8/4

8/17

2715

RN grain

"

"

✓

8/4

8/17

2716

RN grain

B4530A1-5-3-2-1,

"

2482

8/3

8/17

2717

long Rex

✓

8/4

8/17

2718

✓

8/4

8/17

2719

Same for
6 Rows

Cal

2720

wide leaves almost
Hill Med almost a long, sh. grain

Taller than Hill Med.

almost a TP 49 grain for
shape, length & thickness

2721

B 4530A 1-36-1-2-2, TP49XH/11 Med.
8/15 seg? 8/30 2499

2722

8/15 seg? 8/30

full

"

✓

2723

8/15 8/30

full

"

✓

2724

B4530A 1-48-1-1-1,
8/22

"

2509

2725

8/22

full Rex

"

✓

2726

B4530A 1-51-3-1-2,
8/21

full Rex

"

2521'

2727

8/25

about full Rex

"

✓

2728

8/28

Rex grain

"

"

✓

full Rex

~~Too much study~~

Century, 234-2-3

1040

8/4

8/18

2729

long Rx

"

✓

8/5

8/18

2730

long Rx

"

✓

8/5

8/18

2731

long Rx

Century - 236

1041

8/5

8/18

2732

long Rx

"

✓

8/5

8/18

2733

long Rx

"

✓

8/7

8/18

2734

long Rx

B403/A1-1-1-2,

1042

8/30

2735

"

8/30

2736

Does not appear to have white
eng; later than Century 1
long Rx

long Rx
Century 1
long Rx

2737 B403/A1-3-3,

8/4

poor grain yield,

"

full Rex

shorter than center left.
maybe almost like

1054

2738 8/1

long Rex

Winged & good
fuller grain than center

2739 B46-4935-31-5-1-1, Hill Notl. Cr. 2530

8/8

Too tall & too full

2740 Rex

2741 8/8 - Seg -

"

2530

2742 8/6 Seg

"

2530

2743 B46-4935-29-1-1-1, Hill Notl. Cr. 2537

v. good Rex grain

2744 8/8 Seg

"

v. good Rex grain

✓

B46-4935-29-1-1-1, H.11 No.11 Cr
2587 8/8 bag 2745

v. good Pk grand ~~TP49XR-Rord~~
B4527A1-29-1-1-1, ~~TP49XR-Rord~~
2525 2746

6 Row

white 10/5

✓ " 2747

✓ " 2748

B4527A1-16-1-3-2,
2578 8/24 " 2749

✓ " 1/24 " 2750

✓ " 2/24 " 2751

Production BBT mat; v. green straw
no churning in 10/5, appears wet at first made
from top 3 mill

✓ " 8/24 " 2752

			TP 49 x Rexoro P.R. 7689 x Rexoro	
2753	B4537A1-42-1-1-2, 8/27		P.R. 7689 x Rexoro 2585	
2754	" 8/27	are standing much better than 2751 + water seals similar lot + most eggs	"	✓
2755	" 8/27		"	✓
2756	B4537A + B4538A 8/30		"	2587
2757	"	Top left upright		✓
2758	8/29 "	Top flaps short-grain		2589
2759	8/30 "			✓
2760	Cert 8/30 - 8/7			

B4539A1-19-5-1-2, R-7689x Remark
2593 2761

✓ " " 2762

B4539A1-19-8-1-1,
2595 8/5 " 2763

✓ " 8/7 " 2764

B4539A1-19-11-1-1, " 2765
2598

✓ " " 2766

B4539A1-19-11-2-1, " 2767
2599 9/24

Legs than I gold, much like
2754, good B32 not type
" " 2768
9/26

2769

B459A3-14-1-1-1, H, 11 Sel x Rexark
- 8/27 2614

v. slender

2770

" - 8/27

"

✓

2771

- 8/27

"

✓

6-Row

green straw
Excellent grain type, rather tall
v. good qual. v. slender

2772

B459A3-14-3-2,
- 8/27

"

2619

2773

" - 8/27

"

✓

2774

B459A3-54-1-1-3,
- 8/20

"

2677

2775

8/4 - 8/20

long Rex type, v. good qual.

"

✓

2776

8/8 - 8/20

v. long, sl.

"

✓

v. long, sl

B459A3-54-1-1-3, Hill Sel x Rexark
 2677 8/7 8/20 2777 S

v. long, slender
 B459A3-74-3-2-1, " 2778 S
 2706 8/8 8/20

✓ " 8/8 8/20 " 2779 S

green 7/31 8/6 2780 S
 Ripe on 8/25

2706 " 8/27 " 2781 S

B459A3-84-2-2, " 2782 S
 1159 8/28

✓ Tall just no wh. eye!
 Prob. no taller than 1835 50
 B459A1-37-3-2-1, " 2783 S
 2801 8/28

✓ " 8/28 " 2784 S

2785 B459A 1-44-1-1-1, Hill Sel/x Remark
8/29 2801

2786 B459A 1-52-1-1-2,
8/27 " 2848

2787 " 8/28 " ✓

Slender grain than others,
no white-eye,

2788 " " ✓

2789 " " ✓

2790 B459A 3-3-1-1-1,
9/19 Reg. " 2863

~~2791~~

~~2782~~

~~2793~~~~2794~~~~2795~~~~2796~~~~2797~~~~2798~~~~2799~~~~2800~~

2801	B459A3-3-1-1-1, 8/15 seq	Hill Sel x Rexark	2863
	mostly Rex mark		
2802	" 9/27 late	"	✓
2803	B459A3-3-2-1-1, 8/15 - 8/24	"	2866
2804	8/15 - 8/24 pink shorter than the B459A3-3-2-1-1 streaks no white eye	" mid	✓
2805	B459A3-4-1-2-3, 8/19	"	2876
2806	" 8/15 - 8/24	"	✓
2807	" 8/15 - 8/24	"	✓
2808	B459A3-5-1-3-2, 8/14 - 8/22	"	2878
	poor 8 inches, rather tall looks like poor yield		

Adm in 1953
if not already done

B459A3-5-1-3-2,
2878 8/14 8/23

H, 11/Se/x Remark
2809

B459A3-6-1-2-1,
2890 8/9 8/20

" he taller
2810

✓ " 8/9 8/20

Good grain yield
kind prob. not as good
as better line.

"
2811

✓ " 8/7 8/20

no wh. eye
" "

2812

B459A3-8-4-1-3,
2904 8/10 8/20

"
2813

✓ " 8/10 8/20

descent.

"
2814

✓ " 8/10 8/20

gr. d. faster than
good yield.

"
2815

B459A1-86-1-1-1,
3050 8/7 8/20

"
2816

full Rex

These lines are about 80% 50

2817 B459A1-86-1-1-1, Hill Sel x Rexark
8/7 - 8/20 3050

2818 " short, full Rex
8/7 - 8/20 ✓

2819 B4513A2-12-2-2, (Full Sel x BBT
8/4 - 9/20 BBT x Rexark?) 1132

2820 BBT 50
8/20 full Rex, straw

2821 8/6 - 8/18

2822 8/4 8/18 sl. BBT

2823 B4510A1-2 Hill Sel x BBT
8/6 Seg. 3133

2824 " Rex
8/6 Seg. ✓

full Rex

grain in a variety
Feet in 1947

tail
V. good BBT type, not dec. tail
ad BBT 50, Seg. in straw
and appearance, grain more like
Pat. type / det. head

B4510A1-2

3133

8/4 day

H.11 Sel x BBT

2825

B4510A1-8, full Rex

3142

8/20

"

2826

✓

8/6 8/20

"

2827

✓

8/20

"

2828

3142

"

"

2829

sl. BBT

"

"

2830

sl. BBT

"

"

2831

sl BBT

"

"

2832

sl BBT

stems lanky, Red roots
 V. vinifera, S to C.O. almost
 as slender as Rexon, green

delimited 10/3

2833	AI-17-1-3 B4512AI-17-1-3 8/22	Hill Sel x BBT 3204	
2834	8/5 " 8/19 straw " C.D. (Rabbit) above " much like 2822 " dry of " ripen faster	"	✓
2835	8/6 " 8/19	"	✓
2836	B4526A4-16 (H44X(HPS) 5DR)? 8/19	4244 20th 3244	
2837	B4512AI-50-2-1, full Rex B4512AI-50-2-1, full Rex 8/19	8/19 " ✓	
2838	Don't know when straw, quite tall, leaning on 10/6 but " full Rex " 8/19	"	✓
2839	Tall " full Rex " 8/20	"	3247
2840	* BR 8/27		

B4512A1-50

3247

8/20

Hill Sel. x BBT

2841

full Rex

"

8/20

"

2842

full Rex

B4512A1-80

3272

Aug 8/24

"

2843

"

8/31

"

2844

B4512A1-106

3279

uniform just

8/23

BBT gr.

"

8/23

"

2845

"

2846

sl. BBT.

"

8/23

"

2847

full Rex gram

B4511A1-32

3333

8/29

Hill Sel x (TPxR-SBR)

2848

~~Too low~~~~null~~

all 3 more much alike
 look like V. promising BBT type.
 may be like the BBT 50

→ Hv

2849	B4511A1-32-2-2, H111 Selx (TP, R-SBR) 8/29	3333
2850	" 8/29 D. later than B13.5 excellent Rex gran white Day post	" ✓
2851	B4511A1-36 8/6 (1 emb, pt) Day	" 3338
2852	" 8/28	" ✓
2853	" 8/28	" ✓
2854	B4511A1-43 8/29	" 3354
2855	" 8/29	" ✓
2856	B4511A1-53 8/29	" 3358

3358	8/28	B4511A1-52-2-1	Violent sham, seal flag like matting, good if not previously tested mms. adw, aed, short stem and opposite pedon from white-eye exactly Rex shape.	Hill Selx (P x R-SBR)	2857	<u>Hr</u>
✓	" 8/28				2858	<u>Mel</u>
3359	8/28	B4511A1-52		"	2859	
		Rex gram.			2860	
		Cal 8/6			2861	
3359	8/28	"		"	2862	
✓	"	Too tall		"	2863	
3370	8/24	B4511A1-70		"	2864	<u>Hr</u>
✓	8/29	long Rex gram				
		Rex gram	like 2857			

2865 B4511A1-70 H.11501 x (TP, R-SBR) 3370
8/20

2866 B4511A1-72 Rex grain 3384
8/23

2867 full Rex 3384
8/24

2868 full Rex B4511A1-87-2-2, 3397
8/16 Leg

2869 8/15 Leg 3397

2870 8/15 Leg 3397

2871 B4511A1-91 3402
8/20

2872 8/25 3402

These 2 families are expt. short
stems, shorter than 2859 +
2864. Watch are still leg for mat.
but watch in the future are
V. short stems + excellent grain texture
upright flag; Rex grain
as future as P.P.?

B4511A1-91

3402 8/25

H11/Sc/x(TP x R-SBR)

2873

3406 " 8/16 Sep

"

2874

✓ " 8/17 Sep

"

2875

✓ " 8/25

"

2876

B4511A1-92

3408 8/21 Sep

"

2877

✓ " 8/25

v. slender.

"

2878

✓ " 8/20 Sep

"

2879

Ref

2880

all plants
are tall
disc.

Tall, disc.

2881

B4514A1-26
~~B4514A~~

H111Sc/x (TPxR-7689)
3411

2882

"
8/26

"
✓

2883

B4515A1-21
8/8 8/19

H111Sc/x RN
3451

2884

8/8

"

"

✓

2885

8/8

"

"

✓

2886

B4515A1-21
8/8

"

3457

2887

8/8

"

"

✓

2888

8/8

"

✓

all specimens transferred
are all sb. Later than Ant. Now excellent
stems & excellent grain (Res. old type)
but not white edge, might be good
to cross with Ant in Dark cross
program

B4515A1-21

3457 8/6 8/19

Hill Sel x RN

2889

B4515A1-32

3463 8/1 8/15

"

2890

earlier than others is border south

~~2891~~~~2892~~~~2893~~~~2894~~~~2895~~~~2896~~

~~2897~~

~~2898~~

~~2899~~

~~2900~~

2901

B4515A 1-32

Hill Sel x RN

upie 8/31
uni mat & ht, short stem,
sturdy stem,
full Rex

3463

2902

"

"

3469

2903

"

long Rex

"

✓

2904

"

long Rex

"

✓

long Rex

B4515A1-58

3490 8/21

H.11 x RN

2905

Rex. gran

"

✓

8/20

"

2906

✓

"

✓

8/18

"

2907

B4515A1-67

3501

"

2908

"

✓

"

2909

"

✓

8/30

"

2910

B4515A1-68

3504

"

2911

"

✓

"

2912

2913	B4515A1-68,	Hill Sel x RN	3504
------	-------------	---------------	------

2914	B4515A1-70	"	3508
------	------------	---	------

2915	8/30 "	"	✓
------	--------	---	---

2916	8/31 "	"	✓
------	--------	---	---

2917	8/8 "	"	3510
------	-------	---	------

✓

2918	8/8 "	"	✓
------	-------	---	---

✓

2919	8/6 "	"	✓
------	-------	---	---

✓

2920	B4515A1-78 not a check. - 8/23	"	3418
------	--------------------------------------	---	------

✓

B4515A1-78 3418	9/23	Hill Sel x RN	2921	✓
3418 3534	"	"	2922	✓
8/25				
Hyb Mix 8-49-10. 8534		TPx R-SBR	2923	✓
✓	"	"	2924	✓
✓	"	"	2925	✓
B 4544A 1-2 3535 8/6	8/5	R-7689 x RN	2926	✓
✓	"	"	2927	✓
✓	8/7	"	2928	✓

Too tall & too full
grain late

Too thin & too dry

all 3 are thin & too dry

2929

2

8/8

B4515A1-1-5,

Hill Sel x RN
3544

2930

✓

8/6

2931

✓

8/6

B4515A1-12

2932

✓

8/22

Tail

2933

✓

8/22

Tail

2934

B4515A1-13

2935

2936

all 3 are Uni mats + approx
" shot straw, V. un-
" look good but rather old
" texture too grainy, good for shape
straw hulls
V. good (straw study)

straw

straw

straw

B4515A1-13

3555

H, 11 x RN

2937

sham

"

"

2938

sham

"

"

2939

sham

gen

7/30 ripe 8/25

2940

B4031A1-1-11-6-3

1051

8/6

TP x R-SBR

2941

gold

"

8/4

"

2942

gold

"

8/8

"

2943

gold

B4031A1-1-10-1-2

1056

8/25

"

2944

discard, have W. egg

2945 ✓ B403/A1-1-10-1-2 TPxR-SBR 1056
8/27

2946 ✓ B403/A1-1-5-2-2 " 1151
8/19

(2947) ✓ 8/19 " " ✓
appear to be reg. found

2948 ✓ 8/19 " " ✓
appear to be reg. found

2949 ✓ B403/A1-1-10 " 3986
8/31

2950 ✓ " 8/31 " ✓
egg

2951 ✓ " 8/31 " ✓
egg

2952 ✓ 8/15 " 3801 to 4000 unknown
stream

Unknown

3801-4000 8/13

are white, sweet.

2953

✓

✓

8/15

2954

✓

B403/A1-1-5

4005 8/20

TPxR-SBR

2955

✓

Hu

✓

8/20

2956

✓

Hu

✓

8/20

2957

✓

Hu

are like 2946-48
 except, short straw, erect
 flags, good to fine, a
 test for plant
 from blackish under
 fine treatment.

B44-2402-37-3-1-1 Patna from Sm BR

4031 8/5

2958

not as tall as B134 50, Has a
 BR plant type, leaves no wider than
 check the seedling's vigor at this seed
 shorter fuller grain than Cent "

2959

✓

B134 50

2960

✓

2961 ✓ B44-2402-87-3-1-1, Patna from Sm BR 4051

2962 ✓ B4538A1-2 R-7689 x TP2R-SBR 4051

Does this line have ml. eye,
a good Patna type, not as tall as B450

2963 ✓ 8/7 " ✓

2964 ✓ 8/6 " ✓

2965 ✓ B4538A1-62 " 4076

2966 ✓ 8/2 " ✓

2967 ✓ 8/4 " ✓

2968 ✓ B4538A1-62-11-1 " 4090

are uniform mat

B4538A1-62,
4090 8/2

R-7689xTPxR-SBR

2969

✓

"

✓

8/1

"

2970

✓

B4538A1-1
4105 8/30

"

2971

✓

✓

"

8/31

"

2972

✓

*These may be
45-24A lines
checked
are rather late,
med - or typed.*

4108

A1-2

8/6

8/18

"

2973

✓

✓

"

8/5

8/18

"

2974

✓

short, full Rex

A1-5

4109

8/8

8/19

"

2975

✓

B4524A1-675-1

1120

8/24

Rex gram

TP49x(TPxR-SBR)

2976

✓

2977 B4524A1-6-5-1 TP49x(TP1R-SBE) 8/24 1120

✓
Hr a very good qual. TP49 type,
shorter straw, but eye flange and
veg. more like TP 49 watch

2978 B4524A1-10 8/23

"

4165

✓
2979 "

"

✓

2980 BR

8/26

✓
2981 "

"

4165

2982 B4524A1-12 8/24

" "

4173

✓
2983 " 8/24

"

✓

✓
2984 B4524A1-20

"

4183

B4524A1-20
4183

TP49X(TPXR-SBR)
2985

✓

B4524A1-41
4206 8/29

"

2986

✓

✓ " 8/20

"

2987

✓

B4524A1-42
4214 8/6

"

2988

✓

long Rex
" 8/8

"

2989

✓

" 8/9

"

2990

long Rex

all are thin, approximately
grain too long
thin

2991

2992

83

2993					
2994					✓
2995					
2996					
2997					
2998					
2999					
3000					

B4526A, TP49X (TPXR-SBR)

~~B4526A-1-4~~

4218

9/1

3001

50-155

sl BBT

✓

9/1

3002

sl. BBT

4219

9/1

3003

50-155

lang Rex

✓

9/1

3004

lang Rex

✓

9/1

3005

lang Rex

4221

9/1

3006

50-155

lang Rex

✓

9/1

3007

lang Rex

B 4526A 4-4-1, TP49X (TPXR-SBR)

8/31

later than others, longer grain.

lang Rex

3008

3009

B4526A4-4-1-1, TP49x (TPxR-SBR) 1147

3010

TP49 molecularly rather long grain, more sl. than TP49, possibly not as tall. sl. BBT "

3011

long Rex "

3012

B4526A4-10, 9/1 4233

3013

" - 9/1 "

3014

B46-4797-5, Remark Sel 8/28 4250

3015

sl. BBT " 8/27 "

3016

sl BBT " 8/27 " 4251

✓

✓

✓

✓

✓

✓

✓

✓

B46-4797-5, Rexark Sel
4251 8/22 ✓

3017

✓

✓ " 8/22

"

3018

✓

✓ " 8/22

"

3019

✓

✓ Cal

3020

✓

B46-4799 " 8/22 ✓
4261

3021

~

✓ " 8/22 " 3022

✓

✓ " 8/22 " 3023

✓

4269 " 8/19 " 3024

✓

3025	B46-4799 - 8/19	Remark	Se/ 4269
✓			
3026	" - 8/21	"	✓
✓			
3027	B46-4856-8-22 - 8/22	"	1085
✓			
3028	" - 8/22	"	✓
✓			
3029	" - 8/22	"	✓
✓			
3030	B48-5030 - 8/22	BBt 50 Se/	4289
✓			
3031	B48-5030 - 8/22	"	✓
✓			
3032	B51-4296 - 8/22	"	from H.R. 4296 Had green Str
	full Rep		

are all short straw, sturdy
& muscular.

↑ Tail ↓

BSI-4296

4296

8/20

BBT50Se1

3033

✓

Tall

"

8/19

"

3034

✓

"

8/20

"

3035

✓

"

8/21

"

3036

✓

"

8/6

8/19

"

3037

Shorter than other plants that are several such plants in the row. Club dwarf at extreme west end row?

"

8/4

8/19

"

3038

✓

Tall, v. good now.

"

8/5

8/19

"

3039

✓

Ref

3040

✓

3041	8/6	BSI-4296,	BBT 50	Sc1	4296
✓		shorter than others 1. short dwarfism this row full Rex			
3042	8/6 - 8/19	BSI-4302	"		4302
✓		Tail			
		full Rex			
3043	8/6 - 8/19	"	"		✓
✓		Tail			
3044	8/5 - 8/19	"	"		✓
✓		Tail			
3045	8/5 - 8/19	"	"		✓
✓		Tail			
3046	8/4 - 8/19	"	"		✓
✓		Tail			
3047	8/5 - 8/19	"	"		✓
✓		Tail			
		longer than others			
3048	8/6	"	"		✓
✓		Tail			
		longer than others			

B459A 1-80-1-1-1, Hill Sex Remark
3049 8/5 8/19 3043 ✓

Tall
B51-4306 BB150 Sel
4306 8/1 8/19 3050 ✓

Tall
crownless, watch height

✓ " 8/6 8/19 " 3051 ✓

Tall

✓ " 8/6 8/19 " 3052 ✓

Tall

B51-4307 " 3053 ✓

8/19 maybe taller than 3054 total

crownless & BB150 lit.

✓ " 8/19 " 3054 ✓

✓ " 8/19 " 3055 ✓

Sized this line, appeared as short as BB150 and no heads.

✓ " 8/19 " 3056 ✓

This line treated as BB150

3057	B51-4311 8/19	BBt 50	Sc1 4311
✓			
	awnless		
3058	" 8/19	"	✓
✓			
		✓	
3059	" 8/19	"	✓
✓			
		✓	
3060	Cent 7/30 - 8/6		
✓			
3061	B51-4311 8/6 - 8/19	"	4312
✓			
	awnless, tall		
3062	" 8/8 - 8/19	"	✓
✓			
	Tall	✓	
3063	" 8/6 - 8/19	"	✓
✓			
	v. Tall	✓	
3064	B51-4315 8/7 - 8/19	"	4315
✓	not as tall as others Has buds in 1952 green stained		

BSI- 4315

BBt50 Sel

4315

8/5

8/19

3065

not as tall as others

Has beads in '52

green strawed

BSI- 4322

4322

8/8

8/19

3066

leg gold + straw
Consist. unless

"

"

✓

8/7

8/19

3067

leg gold + straw

✓

"

"

✓

8/4

8/19

3068

all straw

"

"

✓

8/19

3069

leg gold + str

"

"

✓

8/19

3070

leg. gold + straw

"

"

✓

8/6

8/19

3071

leg. gold + straw

"

"

✓

8/6

8/19

3072

leg gold + straw

3073	BSI-4322 8/19	BBT 50	Set 4322
------	------------------	--------	-------------

✓

sup gold & straw
conesist, unless

3074	" 8/19	"	"
------	-----------	---	---

✓

"

"

"

"

3075	8/19		
------	------	--	--

✓

all straw

✓

✓

"

"

3076	8/19		
------	------	--	--

✓

✓

"

"

3077	8/21		
------	------	--	--

✓

✓

"

"

3078	8/21		
------	------	--	--

✓

Has a slender grain but some
white-eye.

✓

✓

"

"

3079	8/21		
------	------	--	--

✓

✓

3080	8/19 - 8/5		
------	------------	--	--

✓

3in Check

3088

B49-4607

BBT Sel

4389

may have
been 4339

all strain
Co. react

3090

B51-4341

BBT 50 Sel

4341

all strain
avirulent

~~3091~~

~~3092~~

~~3093~~

~~3094~~

~~3095~~

~~3096~~

3097

3098

3099

3100

BS1-4341
4341

BBt50 Sel

3101

looks like typical BBt50 for test ✓
unless

"

"

3102

"

"

3103

"

"

3104

are all unless
 on second short type area
 and on several grains

3105	BSI-4341	BBT 50 Sel	4341
------	----------	------------	------

3106	BSI-4344	"	4344
	8/5		
	segs straw + gold		

3107	"	"	✓
	8/5		
	segs straw + gold		

3108	"	"	✓
	8/6		
	segs straw + gold		

3109	"	"	✓
	8/5		
	segs straw + gold		

3110	BSI-4347	"	4347
	8/7		

3111	"	"	✓
	8/7		
	gold		

3112	"	"	✓
	8/7		
	gold		

BS1-4348

4348 8/7

BBt50

Sc1

3113

✓

gold

"

✓

" 8/7

3114

✓

✓ gold

"

✓

" 8/7

3115

✓

✓ gold

"

BS1-4351

4351

3116

✓

✓ gold

"

✓

"

3117

✓

✓ gold

"

✓

"

3118

✓

✓ gold

BS1-4352,

4352

Red/and flavored BBt

3119

Very tall

✓

v. full Rx, rough

BBt50

3120

✓

3121 B51-4352, Reid/and flavored BBT 4352
20 rough, very tall

3122 8/7 " smooth, full Rex
rough, very tall, less flavor
Sweet acid flavor, rich, delicious blood,
rough, full Rex

3123 B46-4248 BBT Sel 4353
BBT 50 lit, gold, v. good

3124 B46-4248 BBT Sel
like 3123

3125 B47-3741 BBT Sel 4367

3126 " " " " " "

3127 " " " " " "

3128 B47-3742, " 4373
Has a v. long grain, golden
long, full BBT

*all 4 rows are open panicle types
drooping panicle. BBT mat.*

B47-3743
4373

BBT Sel

3123

✓

long BBT
B47-3756
4378

"

3130

✓

long BBT

"

"

3131

✓

✓
B49-4601
4384 8/7

"

3132

✓

good BBT grain

"

"

3133

✓

long BBT

"

"

3134

✓

✓
B49-4626
4398

"

3135

✓

good BBT grain

"

"

3136

✓

*release 1 good BBT types some unclean
& others like BBT-50. BBT mat.*

3137

B49-4626,

BBT Sel
4398

3138

"

"

4403

C. O. resistant, BBT gram

3139

"

"

✓

3140

BR

3141

"

"

4403

C. O. resistant ✓

3142

B45-2379

"

4424

3143

"

"

✓

3144

"

"

✓

B45-2379
4432BBT Sel
3145

✓

✓ "

"

3146

✓

✓ "

"

3147

✓

1141

8/2

?

3148

✓

sl. BBT

✓

8/1

?

3149

✓

✓

8/1

?

3150

✓
Hu

B4535A1-28

4447

8/6

R-7689x BBT

3151

✓

✓ "

"

3152

✓

all are very short turned BBT types
not. I recall the BBT, some like
Hards.

3153	B4535A1-28 8/31		R-7689 x BBT 4455
------	--------------------	--	----------------------

3154	8/31	no C.O	"
------	------	--------	---

3155	8/30		" 4458
------	------	--	--------

3156	8/30		"
------	------	--	---

3157	B4535A1-29 8/28		" 4465
------	--------------------	--	--------

3158	8/28		"
------	------	--	---

3159	8/27		" 4468
------	------	--	--------

3160	Cal 8/5		
------	------------	--	--

B4535A1-29
4468

R-7689x BBT

3161

"

"

3162

B453C1-67
4473

3163

"

3164

"

8/6

3165

B454A1-81-26-1 BBT x R
4486

3166

"

"

3167

B454A1-82-8-1
4489 8/6

"

3168

3169	B454A1-81-8-1,	BBt x K-R	4489
3170	"	full Rex	"
3171	B454A1-84-14-2	"	4493
3172	"	"	"
3173	B455B2-17-5-4	BBt x (TP x R-SBR)	4495
3174	"	"	"
3175	"	"	4496
3176	"	"	"

Have white-eyes

B455A1-27

4509

8/6

BBT x (TP x R-S BR)

3177

✓

" 8/6

"

3178

✓

" 8/5

"

3179

Ref

3180

4528

"

8/6

"

3181

✓

"

"

3182

✓

"

"

3183

4534

"

"

3184

back + white eye
Spine white

3185

B4SSA1-27

BBT x (TP x R-SBR)
4534

3186

"

"

✓

3187

B4SSA1-15

"

4539

3188

"

"

✓

3189

"

"

4542

3190

"

"

✓

~~3191~~

~~3192~~

Done white back + wh. eye

~~3193~~~~3194~~~~3195~~~~3196~~~~3197~~~~3198~~~~3199~~~~3200~~

3201	B455A1-15	BBT xTP	xR-SBR	4542
------	-----------	---------	--------	------

3202	"	"		4545
------	---	---	--	------

3203	"	"		✓
------	---	---	--	---

3204	"	"		4546
------	---	---	--	------

3205	"	"		✓
------	---	---	--	---

3206	"	"		4549
------	---	---	--	------

3207	"	"		✓
------	---	---	--	---

3208	B455A1-8	"		4552
------	----------	---	--	------

B455 A1-8-4-3,
4552

BBT x (TP x R-SBR)

3209

4554

"

"

3210

✓

"

8/7

"

3211

4558

"

"

3212

v. long gr.

✓

"

"

3213

v. long gr.

4562

"

"

3214

✓

"

"

3215

✓

"

"

3216

3217

B52-3217-1

BBT (S) Se1

HR BBT
hooded
Row.

3218

" V. long gr
- 2

"

✓

3219

" - 2

"

✓

3220

Cent

7/31 - 8/2

V. slender, ✓

3221

"

"

HR BBT
from
Hooded
Row

3222

"

hooded

"

✓

3223

"

hooded

"

✓

3224

B52-3224

not hooded

BBT. Se1

glass
Found
BBT
Early hole

BS2-3225
 Glass Found 8/6
 BBT
 early hds

BBT Sel

3225

✓

"

"

3226

✓

"
 8/4

"

3227

BS2-3228
 BBT50HR
 awnless 8/6
 (sage gold and
 straw)

BBT50 Sel

3228

✓

"

"

3229

✓

"

"

3230

✓

"

"

3231

✓

"

"

3232

3233 8/6

BB 50
NP.
amless
syn gold 1 str

stun

Rogue Sel

3234

Gold from
Rogue
S-1

3235 8/6

"

✓

3236

"

✓

3237 8/7

"

✓

3238

"

✓

3239

"

✓

3240 gm
7/30 - 8/6

B322 B47-12, RxF
4436

3241

✓ " "

3242

✓ " "

3243

4441 ~~8/7~~ ~~8/7~~

3244

✓ ~~8/7~~ ~~8/7~~

3245

✓ " "

3246

B48-3388 Hill Pat x Hill Mod
1154 8/4

3247

✓ gold, med-gr
8/4

" 3248

3249 B455A1-7 OBT x(1PXR-SBR) 4567

3250 8/4 " " ✓

3251 8/6 " " ✓

3252 8/6 " " 4570

3253 8/6 " " ✓

3254 8/6 " " 4572

3255 8/6 " " ✓

3256 8/7 " " 4576

B455A1-7
4576 8/6

BBT x (TPxR-SBR)
3257

B455A1-15
4578 8/6

"
3258

✓ " 8/6

"
3259

BBT 50

3260

"
4578 8/6

" "
3261

"
4583 8/6

"
3262

✓ " 8/6

"
3263

B455A1-25
4590 8/6

"
3264

3265	B455A1-25 2/7 gold hulls, as short as A1-15 large, grain has slight white streak.	BBt x (TP x R-SBR)	4590
------	---	--------------------	------

3266	2/6 "	"	✓
------	----------	---	---

3267	B455A1-30 8/8	"	4597
------	------------------	---	------

3268	2/8 "	"	✓
------	----------	---	---

3269	2/8 "	"	✓
------	----------	---	---

3270	B455B 2-3 8/8	"	4604
------	------------------	---	------

3271	2/8 "	"	✓
------	----------	---	---

looks like good quality, BBt.

3272	2/6 "	"	✓
------	----------	---	---

B455A1-13

4608 8/6

BBt x (TPxR-SBR)

3273

✓

"

8/6

"

3274

B455B2-11-2-1,

4611

8/6

"

3275

✓

"

8/6

"

3276

B455B2+13

4616

8/6

"

3277

✓

"

8/8

"

3278

gold hulls, better grain
gold than A1-15, A1-25, etc.

✓

"

8/6

"

3279

BR

3280

3281

B455 B2-13

BBT x (TPxR-SER)

4621

3282

"

"

✓

3283

"

"

✓

3284

B455 B2-16

"

4623

3285

"

"

✓

3286

"

"

✓

3287

"

"

4624

3288

"

"

✓

BBT max

B455B2-16

4624

BBT met

BBT x (TPxR-SRR)

3289

B4522 A1-21

4630

BBT met

~~BBT~~ TP49 x BBT

3290

~~3291~~~~3292~~~~3293~~~~3294~~~~3295~~~~3296~~

~~3297~~

~~3298~~

~~3299~~

~~3300~~

3301

B4522A1-21

TP49 x BBT

4630

3302

"

"

✓

3303

4634

3304

✓

sl. later than BBT, look
later BBT

B4522A1-26

4634

TP49x BBT

3305

4546

B455A

-

late 9/12

3306

✓

"

- late 9/12

3307

✓

"

- late 9/12

3308

B457A1-24

4654

BBT x 8975

3309

✓

"

"

3310

✓

"

"

3311

✓

"

"

3312

BBT in cl. later uniformed

3313

B457A1-24

BBTx 8975
4654

3314

B457A1-11

"

4658

3315

"

"

✓

3316

"

"

✓

3317

RxN²

4681

3318

V. long-grown

"

✓

3319

"

✓

3320

cal

BBTx mod + abg later, uniform mat. T. 20 tall

C.I. 8975 Rogue

4706

3321

2BB grain

"

✓

3322

shorter grain than others

"

✓

3323

"

✓

4707

3324

"

✓

3325

"

4715

3326

green strained

"

✓

3327

"

✓

3328

mostly al. like them BBd, uni ind, Too Tall

3329

Bmp. BBT Sel

1170

3330

"

gold

3331

"

3332

B347B44-15, RxN

1171

3333

"

straw

3334

"

"

3335

B4544A1-16-21, R-7689 x RN

9/15

4911

3336

9/14

full Rx grain

"

extremely vigorous, ✓
tall, erect flag, much HQ.

late

full Rx

B4544A1-16

4911 9/14

R-7689 x RN
3337

B4544A1-20

4925 9/14

"

3338

Rex grain

✓ 9/14

"

3339

✓

Rex 9/18

3340

B4544A1-22

4932 9/16

"

3341

miniature

✓ 9/15

"

3342

miniature

✓ 9/17

"

3343

4933 9/14

"

"

3344

Indian Patna type in 1950

3345

B4544A1-27-1-2, R-7689 x RN.

9/13

Late

4933

grain v. slender, shorter than Rex
straw hulls, mid flag, Excellent grain,
Straw Rex grain

3346

8/4

4935

3347

8/4

✓

3348

8/2

✓

3349

B4544A1-26

8/6

4939

3350

8/6

✓

3351

8/6

✓

3352

B4544A1-26

9/13

4950

V. short straw;

B4544A1-26

4950 9/14

R-7689 x RN

3353

B4544A1-34-1-1,

4961

9/12

"

3354

full grain

✓

"

9/12

"

3355

✓

"

9/12

"

3356

4963

"

9/17

"

3357

✓

"

7/5

"

3358

4964

"

7/5

"

3359

Cent

7/30

8/7

3360

3361

B4544A1-34

R-7689 x RN
4965

3362

"

✓

3363

"

✓

3364

B4531A2-91

9/10

TP49 x RN
4973

3365

9/10

"

"

✓

3366

B4531A2-92

9/13

sl. grain

"

4982

3367

9/14

"

"

✓

3368

9/13

"

"

✓

B453/A2-92
4987 7/27

TP49 xRN

3369

✓ " 7/27

" 3370

✓ " 7/27

" 3371

4996 " 9/9

" 3372

✓ " 9/12

" 3373

B453/A2-95
4997

" 3374

✓ " 9/12

" 3375

✓ " Rd. moly, unit

" 3376

3377 B4531A2-92 TP49X RN 4997

3378 B4531A2-92-4-3, " 5015

3379 " " ✓

3380 *zen*
8/21 - 8/7 ~~5015~~

3381 " RN med, wmi " 5019

3382 " 9/14
late
nearest long-grain type, " ✓

3383 " 9/14 " ✓

3384 " 9/14 " 5022

B4531A2-93
5022 9/14

TP44xRN

3385

✓ " 9/14

"

3386

B4520A1-41
5055 9/16

"

3387

✓ " "

"

3388

✓ " 9/15 late

"

3389

an excellent grain shape & qual,
watch,

B4520A1-40 -1-2
1096 9/15

"

3390

~~3391~~

~~3392~~

22
~~3393~~

~~3394~~

~~3395~~

~~3396~~

~~3397~~

~~3398~~

~~3399~~

~~3400~~

B4520A1-40-1-2

1096

TP49X RN

3401

"

"

3402

B4520A1-42

5062

"

3403

"

"

3404

B4520A1-26

5069

"

3405

"

"

3406

B4520A1-34

5072

"

3407

"

"

3408

8/23
 8/23
 8/24
 Rather too
 rows, a good
 type, a little
 than 1000

8/23
 8/23
 8/24
 3407
 3408
 3409
 3410
 3411
 3412
 3413
 3414
 3415
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 3452
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 3472
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 3488
 3489
 3490
 3491
 3492
 3493
 3494
 3495
 3496
 3497
 3498
 3499
 3500

3409

B4520A1-40

TP49 x RN

5073

3410

"

"

✓

3411

"

"

✓

3412

B4529A1-20

TP49x(TPxR-7689)

5076

3413

"

"

✓

3414

"

"

✓

3415

B4534A1-20

R-7689x(TPxR-7689)

5086

3416

"

"

✓

8/4
8/6
8/7
mm mud & paper, taller than 3415

8/2
mm mud & paper, open pan

B4584A1-20
5086 8/2

R-7689
~~F249~~ x (TP x R-7689)
3417

B4584A1-58-3-2,
5094

" 3418

✓ " 3419

BB+50 3420

8/21

5098 " 3421

empty bag, TP collected

5115 " 1-29-74 3422

date

5115 8/2 wms 3423

✓ " 8/2 wms 3424

V. short stream, rather lumpy, blue stream, smooth long d. or. no. eye shoe pegs

3425 B4534A1-58 R-7689X(1PXR-7689
8/22 - 8/30 5118

3426 " " " ✓

3427 " " " ✓

3428 " " " 5121

3429 " " " ✓

3430 " " " 5123

v. slender, v. long grain; Dub, rice character
v. long, slender

3431 " " " ✓

3432 " " " ✓

B454/A1-49

5127

8/29

R-7689x TP49

3433

✓

"

8/29

"

3434

B454/A1-~~49~~¹³

5128

8/23

"

3435

✓

"

9/23

"

3436

5130

"

8/20

"

3437

✓

"

9/20

"

3438

B454/A1-21

5137 8/23 seg

"

3439

BK

8/28

3440

3441 B454/A1-27 R-7689xTP49 5139

Hr

3442 8/27 " " ✓

Hr

3443 8/29 " " ✓

Hr

3444 B454/A1-35 9/1 " 5145

3445 8/20 long-grain " " ✓

3446 " long-grain " " ✓

3447 B49-552-6, R-7689 Roque 5178

(3448)

Some exp. for grain length & breadth
 Said longest & most slender
 med long full

B49-552-6
5178

R-7689 Rogue
3449

med-long, full
B4527A 1-47
5181

TP49 x Rexoro
3450

✓ " " 3451

5183 " " 3452
among good Rex type ^{earlier} _{mat.}
Watch. Hv

✓ " " 3453

~~Hyb Mix 9-44-48 TP x Rand Long 2~~
5187 ~~3454~~

Karang-srang

are Karang
sring selai; Rex
smooth hulls, per
mat. tall, sturdy
strong

" " 3455

B343 B47-18
5193

N x K
3456

3457 B343 B47-18-11-4 N x K 5193
 Rex grain type + most
 Has rather short heads, check for
 C. D. resistance of Kameji

3458 " " ✓

3459 " " 5194
 8/20

3460 Cal

3461 " " 5194
 8/28

3462 " " 5194
 8/28
 Rex grain type + most
 Has rather short heads, check for
 C. D. resistance of Kameji
 appear alike, v. um

3463 B49-5846 Rexoro ~~Se~~ Roque 5273

3464 " " 5274
 8/20

B49-5846

5274

9/20

Rexoro Rogue

3465

"

5276

"

3466

"

✓

"

3467

B48-6401

5286 8/21

"

3468

med-grain

"

✓

8/21

"

3469

med-grain

B48-6418

5290

"

3470

"

✓ V. clean for H.O.; Rex mat.
Has excellent grain quality; no
inh. eye.

"

3471

B50-6589

5295

TPXR

3472

Bad for Ho, Large spots

3473	B50-6589	TP x R	5295
3474	"	"	✓
3475	B43-280-1-3-1-2	TP Sel	5298
3476	"	"	✓
3477	B43-280, 1-3-1-2	"	5302
3478	"	"	✓
3479	"	"	✓
3480	Ref	"	

spot

to

long

shorter than Ref

B43-280-1-3
5302

TP Sel

3481

B46-2068
5313

"

3482

✓

"

"

3483

5313

"

"

3484

✓

"

"

3485

✓

"

"

3486

C48-8087
1177

Guidry

3487

✓

"

"

3488

*Typical guidry
Saved for
Breeding Studies*

3489 T. Polna 49 (Pr culm)

1149

3490

"

"

1149

3491

3492

3493

3494

3495

3496

~~3497~~~~3498~~~~3499~~~~3500~~

B49-5825

5261

Rexord Sel

3501

"

"

3502

"

"

5263

3503

"

"

3504

3505	B49-5825 8/19	Rexoro	Sel 5264
3506	B49-5834 Sep.	"	5270
3507	" Sep.	"	✓
3508	8/25 Extremely tall, v. sl. grain, rough hulls, Has the extremely narrow leaf of a gap variety Use in a crossing program for reduced lodging leaves like a gap	" many bean introductions "	✓ 5271
3509			
3510	"	"	✓
3511	"	"	✓
3512	Texas Patna Tall, late		T.P. Hd Row (Brown)

Texas Patna

TPHd

Row

3513

Tall, late

✓
"

3514

✓

TP(NR.)

abnormal

v. green stem

v. late; v. tall
 grow along side
 short, early side

3515

(3552)

✓
"

3516

✓
"

3517

TP(NR.)

3518

✓
"

3519

Cust

3520

7/31 8/7
 Ripe on 8/28

(3 3521	Texas Patna		TP(HR) Tail green str
3 3522	"		✓
3 3523	"		✓
3 3524	"		TP(HR) Tail late
Ext Hae Hae Hae 3 3525	"		✓
3 3526	"		TP(HR) Tail, late (Browns)
3 3527	"		✓
3 3528	"		✓

TP (HR) Tail late (grows)	Texas	Patna	3529
✓	"		3530
TP (HR) Tail, late	"		3531
✓	"		3532
TP (HR) Tail late (Row h. in 1951)	"		3533
✓	"		3534
✓	"	Tail, late (one of latest, except for 3535-17 grow along side 3535)	3535
✓	"		3536

3537	Texas Patna 8/30			TP(HR) Short early
3538	"			✓
3539	"			TP(HR) Short early
3540	3in 8/31 - 8/5 Ripe 8/25			✓
3541	"			✓
3542	"			✓
3543	" 8/30			TP(HR) Short early
3544	" 8/28			TP(HR) Short early

Texs Patna
✓ 8/28

3545

✓ " 8/28

3546

"
TP(HR) 8/29
Shot
early

3547

✓ " 8/28

3548

"
TP(HR)
Shot, early

3549

"
✓

3550

"
TP(HR) 8/29
Shot,
early

3551

"
✓

8/27

3552

One of shortest & earliest
grow along side late strains

3553

Texas Patna
8/20

TP(HR)
Short,
early

3554

"

TP(HR)
Short
early

3555

"

✓

3556

"

✓

3557

"

TP(HR)
Proh
Rexon

3558

"

✓

3559

"

✓

3560

BBB 50
9/10 8/21

Shorter Veg growth than others
and could be Rexon.

Texas Patna

3561

Short-grain material starts here

Hyb Mix 11-47-2-2-2, ESh gr. Bulk
1201
short gr

3562

"

"

✓
long gr

8/21

3563

"

"

✓
short gr

8/25

3564

"

"

✓
short gr

8/28

3565

Hyb Mix 11-47-6-1
2163
8/24

"

3566

"

"

✓

8/24

3567

"

"

✓

8/24

3568

3569 Hyb Mix 11-47-11-2-1-2, E.Sh. gr. Bulk
8/20 2173

3570 " " ✓

3571 " " ✓

3572 Hyb Mix 11-47-11-3-5 " 2179

3573 " " ✓

3574 Hyb Mix 11-47-11-3-1-6 " 2181
fairly early, prob. midseason

3575 " " ✓

3576 Hyb Mix 11-49-19-2 " 2195

all appear alike here very short stems

Hyb Mix 11-49-19-2
2195

E. Sh. gr. Bulk
3577

✓
all 3 rows alike
into one v. easily
thru B. ✓ clean for
H.D. Watch

" 3578

Hyb Mix 12-47-6-2-1-1
2203

Late Sh. gr. Bulk.
3579

8/21

Tall neg.

BK

8/28

3580

2203

"

"

3581

Tall neg.

"

"

3582

Hyb Mix 12-47-6-2-1-3
2205

"

3583

Tall neg.

"

"

3584

✓
all are much
than 3569-75.

3585 Hyb Mix 12-49-3-4 late Sh. gr. Bulk
8/29 2213

no nh Tip

3586 8/29 " ✓

3587 8/29 " ✓

3588 Hyb Mix 12-49-3-7 " 2216
8/27

Hard to thresh

3589 8/27 " ✓

3590 8/28 " ✓

3591

3592

3593

3594

3595

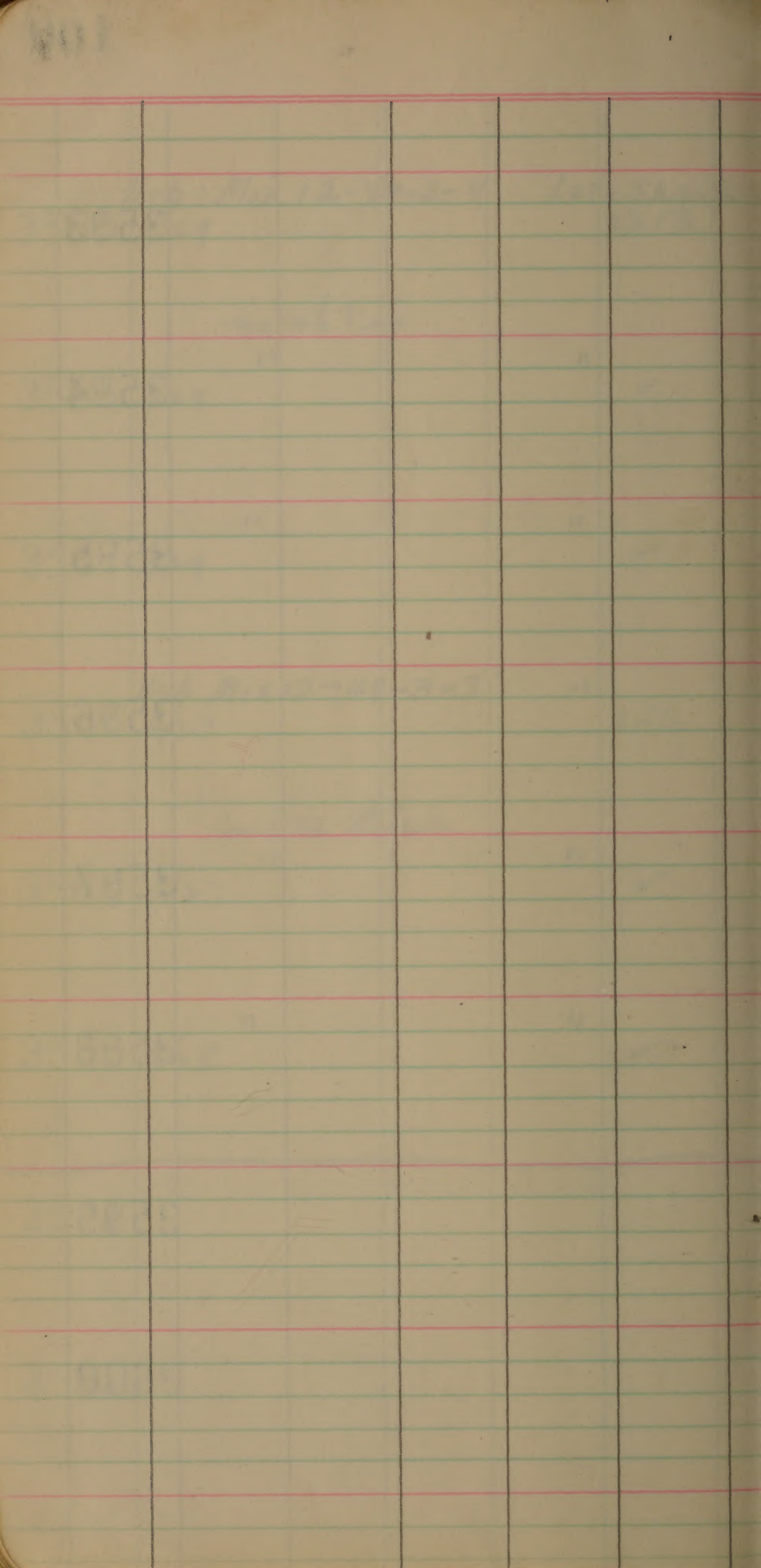
3596

3597

3598

3599

3600



Cut today 10/3

~~2803~~
~~2804~~

hunted 10/3
" "

~~2822~~

"

"

~~2846~~

"

"

~~2857~~

"

"

~~2884~~

har. 10/9/52

2955

56

57

Plate

har

~~2958~~ hunted 10/3

2977 lat har

34 23 & 24?

Transplant to greenhouse

2413 - grassy plant

2441 at al same sterile plants

Finished through 5745, except for
possibly lost in one or more rows?

3352 & 53 (4544#1-26, *Isotria medeolae*
in the field nursery.

Send Chan. Cheong samples of smooth
java long lines.

Have Todd look at

2378

3508 - Use in crossing
for reduced leaf area

Zenith

V. early, Short ~~Shaw~~, smooth
Hil x Zen

V. Early, smooth, good grain & ease of thresh
Brim x Z

For Zenith backcross project
2616 + 17 Hil x Zenith
2647 + 48 Ital Brim x Zenith

H.O. Pow -

Haploid in grassy type in 2413 + 2416

2214 - V. early, Ant type, Cross with Ant
2109 - "

2036 Have Todd examine sheet

Bad for 150, V. large spots 2746-22
club dwarfs
(30 37, " "
30 41, " "

1952

Book 2

Breeding Nuts,

U. S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH ADMINISTRATION

BUREAU OF PLANT INDUSTRY, SOILS
AND AGRICULTURAL ENGINEERING

CEREAL CROPS AND DISEASES

AGRONOMIC NOTES

Disease nursery (4101) page 31

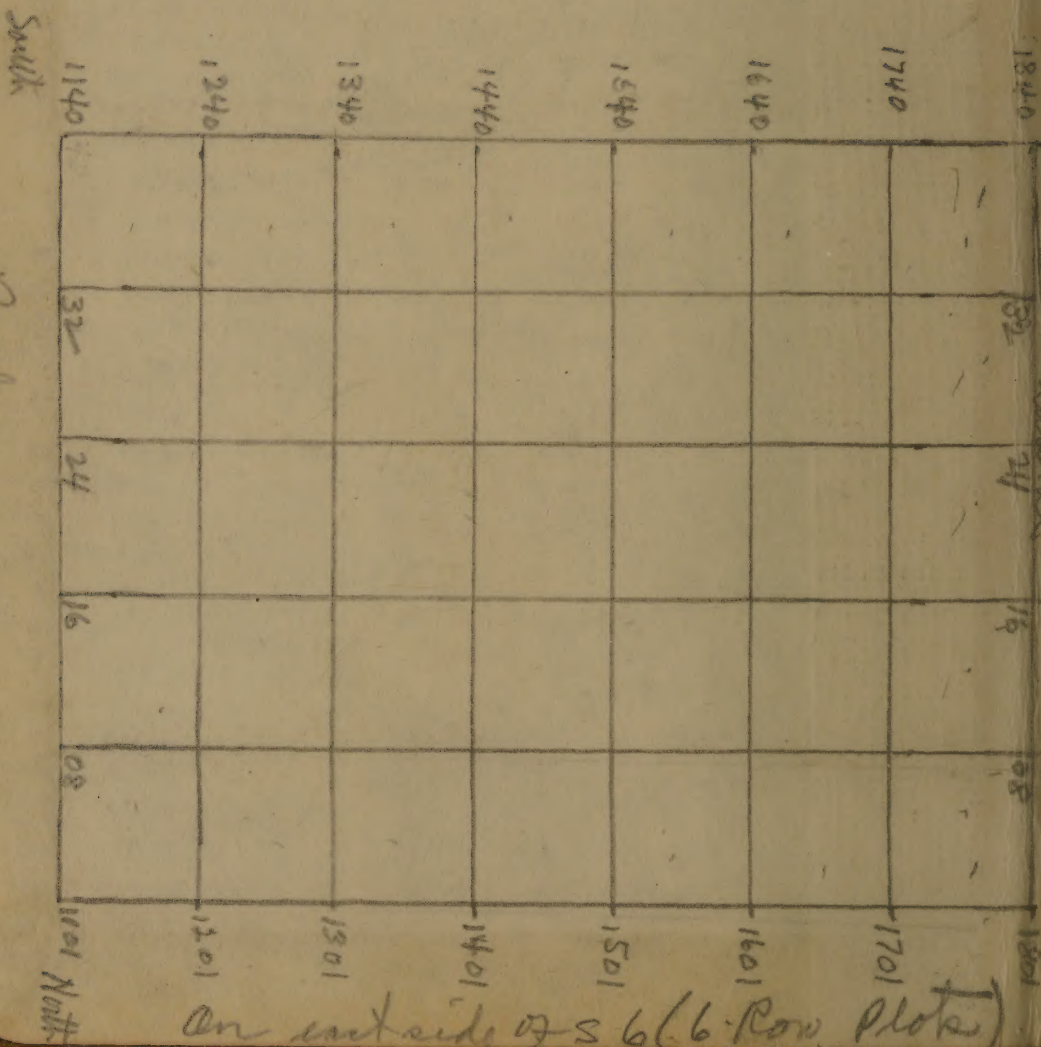
6 Row Plots 1101 page 65

HO ratings

I 0
I-R 1
R 2
R-MR 3
MR 4
MR-MS 5
MS 6
MS-S 7
S 8
S-VS 9
VS 10

Diseased rows
to harvest

4119
4171
4283
Harvest



EXPLANATIONS OF HEADINGS AND ABBREVIATIONS OF TERMS USED.

SIZE OF PLOT.—Decimal fractions of an acre, as 0.1, 0.025, or, in the case of nursery rows, length in feet.

RATE OF SEEDING.—In pecks per acre.

DATES.—In figures, as 9/15 (=Sept. 15).

STAND.—In thousands of plants per acre wherever possible; otherwise in percentages.

SPRING SURVIVAL.—Given in percentages based on number of plants per acre surviving the winter as compared with stand the previous fall.

MANNER OF GROWTH.—e.=erect; sp.=spreading (of value in distinguishing spring and winter grains).

HEIGHT.—Given in inches; in the case of bearded varieties, measure to tip of heads, not to tip of beards.

INFECTION:

Smut and bunt.—Notes taken at time of ripening. State percentage of infected heads. For example, if 10 heads out of 100 are smutted, the infection is 10 percent.

Leaf rust.—Taken at time of full heading; state the proportion of infected surface in accordance with the accompanying scale.

Stem rust.—Taken at time of ripening; express in percentages as for leaf rust.

LODGING.—Given in percentages of plants lodged at time of ripening.

SHATTERING.—Given in percentages of shattered grain when fully ripe.

YIELD:

Total weight of crop.—Weight of total crop from plot both grain and straw, in grams, ounces, or pounds.

Grain per plot.—Grams, ounces, or pounds of threshed grain.

Straw per plot.—Difference between two preceding weights.

YIELD PER ACRE.—Calculated from plot yield, in bushels of legal weight; wheat, 60 pounds; oats, 32 pounds; barley, 48 pounds; rye, 56 pounds; emmer and spelt, 32 pounds; flax, 56 pounds; proso, 56 pounds; buckwheat, 48 pounds; rice, 45 pounds.

WEIGHT PER BUSHEL.—Actual weight as determined by the grain tester.

GENERAL DATA

In case of the series of row or plot tests it is desirable to have all the constant conditions recorded for future reference. For these data the pages following may be used. The sample page shows the manner in which the general notes may be entered. In case several sets of experiments are recorded in a single book the conditions governing each may be given, the heading at the top of the page showing to which particular test the notes refer. The blank pages may be used for additional data, particularly to record the high, low, and mean temperatures, the rainfall, and the number of clear days for each month covered by the experiment.

SAMPLE PAGE

VARIETAL TEST OF OATS, 1908

CONDITIONS OF EXPERIMENT

PLOT

Location-----Field H.
Size-----1/20 acre.

SOIL

Kind-----Prairie loam.
Position-----Somewhat rolling.
Previous crop-----Corn.

NAME AND CONDITION OF MACHINERY

Plow-----
Disk-----Osborn-----Sharp.
Harrow-----U Bar-----Good.
Seeder-----Monitor-----Good.

SEED

Variety-----Variable.
Weight per bushel-----Variable.
Source-----Variable.
Treatment-----Fanned clean and treated for smut.

SEED BED

Preparation:

1. Disked (lapped half)-----4-6-'08.
2. Disked (lapped half)-----4-10-'08.
3. Harrowed-----4-10-'08.
4. Harrowed-----4-27-'08.
5. Seeded-----4-27-'08.
6. Harrowed-----4-27-'08.

SEEDING

Manner-----Drilled.
Date-----4-27-'08.
Rate-----3 bushels per acre by weight.

TEST OF _____, 19_____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation :

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

SEEDING

Manner_____

Date_____

Rate_____

TEST OF _____, 19_____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation :

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

SEEDING

Manner_____

Date_____

Rate_____

TEST OF _____, 19_____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation :

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

SEEDING

Manner_____

Date_____

Rate_____

TEST OF _____, 19____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation:

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

SEEDING

Manner_____

Date_____

Rate_____

TEST OF _____, 19_____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation :

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

SEEDING

Manner_____

Date_____

Rate_____

TEST OF _____, 19____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation :

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

SEEDING

Manner_____

Date_____

Rate_____

TEST OF _____, 19____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation : _____

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

SEEDING

Manner_____

Date_____

Rate_____

TEST OF _____, 19_____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation :

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

SEEDING

Manner_____

Date_____

Rate_____

3601	Hyb Mix 12-49-3-10, lat. Sh. 9. Bulk 8/15 seg	2219
3602	" 8/15 seg	✓
3603	Hyb Mix 12-49-3-11	" 2221
3604	off type "	" ✓
3605	off-type B343 B44- 3 3 8/24	NXK 5203
3606	8/24 V. green sturdy straw Possible C.O. resistant Bad for H2O Jup grain, rough;	" ✓
3607	8/24 Fall wide leaves good yield	" ✓
3608	B343 B49-3, 8/30	" 5204
weak straw, smooth, rapid drying		

B343B49-3

5204

8/30

N x R

3609

B343B49-4

5206

8/30

"

3610

✓

"

8/30

"

3611

✓

"

8/30

"

3612

✓

"

8/30

"

3613

are tall, semi bearded
med short grain, smooth
green straw, fresh, clean for
H.O.

B343B49-5

5208

8/7 Sep

"

3614

✓

8/1 Sep

"

"

3615

✓

8/8 Sep

"

"

3616

(U. Clean for H.O. fairly tall, rather hard to thresh;
V. sturdy straw, a full B34, smooth.)



This is for row 3617

5211

8/24

Large plant at east end of row

See note on 3616

八

11

3618

8/29

✓

11

17

3619

8/29

V. Tall

maht + grain V. long head

3620

Cal
8/6

11

11

3821

8/28

11

5212

V. Ball

17

3622

8/31

22



V. Hall

Wraht + grain type, sturdy straw

(3412B

B 49-508

$$Ca \times R$$

3623

8/28

5215

四

11

3624

8/27

✓

very low yielding short grain
variety with wide leaves & sturdy stems
As an early for high yield & health
fertilized block, good fuel. rather hard
to thresh

B 49-508 5215	8/27	Ca x R	3625
------------------	------	--------	------

✓ "	8/27	"	3626
-----	------	---	------

B 49-515 5216	8/18 shorter stem than 3628	Ca x R	3627
------------------	--------------------------------	--------	------

✓ "	8/18 sturdy stem, bearded, (partly) possible brown plot,	"	3628
-----	--	---	------

5219	" 8/31	"	3629
------	-----------	---	------

✓ "	late 8/26 late row, v. hard to thresh, short flops, green sturdy stems, straw hulls.	"	3630
-----	--	---	------

5224		"	3631
------	--	---	------

✓ late short grain, gold hulls, v. easily threshed, Rex straw & mat.		"	3632
--	--	---	------

3633	8/23	8/31	Cox R	5225
a reduced leaf area type, V. resistant to AO; exceptionally sturdy straw, a rough red-gr. type				
3634	8/23	8/31	"	✓
excellent qual & grain shape.				

3635	8/31		"	5227
Nogka-like Tread Pattern, check.				
3636	8/31		"	✓
3637	B3412B	47-2; 8/20	"	5230

3638	"	8/20	"	✓
------	---	------	---	---

3639	"	8/20	"	✓
------	---	------	---	---

3640	Ry			
------	----	--	--	--

B3412B47-2

Ca xR.

5231

8/24

3641

✓

" 8/29

"

3642

✓

" 8/29

"

3643

✓

" 8/29

"

3644

✓

" 8/30

"

3645

B3412B43-22

5236

"

3646

✓

"

"

3647

B3412B41-1

5239 8/27

"

3648

Is almost like 46 44 et al.
but more leafy, no C.O.

we add aldehy. The narrow leaved
Pur. gr. + not stem that we want to cross
with our long grain material.

dark green

3649	B3412 B41-1 8/27	Ca x R	5239
3650	" 8/27	"	✓
3651	B3412 B41-1 8/27	Ca x R	1203
3652	" 8/27	"	✓
3653	" 8/27	"	✓
3654	B3781 B B49-515 8/27	R x 81C	5219
3655	" 8/27	"	✓
3656	" 8/27	"	✓

light green
all are white & v. white
and growth better

5250



✓

Cert.

7/30 - 8/7
Ripe on 8/29

3251

vol. no 5251)

8/27

R x 81C

✓

8/29

11

B378/B47-4

5253

8/24/66



8/24

47-4
not like 3665 + 66
as dark green color, purp.
things to be, many

Tallers "much better
than commerce 3664
varieties, short stamens
large culms, stiff stamens

Rx 8/C

11

11

3657

3658

3659

3660

3661

3662

3663

3664

3665	B378/B47-4 8/22		Rx 81C 5253
3666	" 8/22	semi-dwarf	" ✓
3667	midseason med-grain Selas - 9/1	semi-dwarf	2/30
3668	B46-3046-12-2-3-1, K-H x BK Roque - 9/1		✓
3669	" - 9/1		" ✓
3670	" - 9/1		" ✓
3671	B323B39-13 - 8/27		Rx SBR 2227
3672	" - 8/27		" ✓

Young leaves, most leaf lobes

Reduced density
w/ 3 rows stiles

B323B39-13

R x SBR

2227

- 8/27

3673

Subod W. Trip

Reduced leaf area type

2231

" 8/30

grain

"

3674

✓

"

late

Has very short straw, grain
is fuller & bushy in long

"

3675

✓

" 8/30

as Report: poor grain
texture.

"

3676

325

8/30

"

3677

✓

8/29

"

3678

✓ sturdy large stemmed type, short straw
short head stiff peduncle, an extremely
large short grain, rough

"

✓

8/29

3679

Zen

7/30

8/7

Ripe on 8/27

3680

3681

3682

3683

3684

3685

3686

3887

3688

B 426 B 49-12-1,
2262

R-5 BK x BK 4/
3689

B 4555 A 102-2-2-4, Bruin Sel x 8326
2286

^{8/26}
a very good BK type, apparently short
strawed, grain more slender & more cylindrical
than Gluth or BT.

~~3691~~

~~3692~~

~~3693~~

~~3694~~

~~3695~~

~~3696~~

~~3697~~

~~3698~~

~~3699~~

~~3700~~

3701

B 4555 A1-102-2-2-4, Brain Sel x 8326
8/25 2286

3702

"

8/25

BR Lycopodium

"

✓

3703

B 433 A2-6-6-8-1-2, B41-3299 x (R.SBR, BR)
8/3 - 8/15 2399

3704

8/3

"

8/15

"

✓

B433A2-6-6-8-2-7, B41-3299x(R-SBRxBR41)
 2404 8/3 8/16 3705

✓ " 8/2 8/16 " 3706

✓ " 8/2 8/15 " 3707

B433A2-6-10-9-1-2 " 3708
 2407 8/2 8/15

✓ " 8/2 8/15 " 3709

✓ " 8/2 8/15 " 3710

B46-3046-12-2, K-HxBR Rogue 3711
 1091 8/20

✓ " 8/20 " 3712

3713 B46-3046-12-2, K-H x BR Rogue
8/30 1091

3714 B4045B47-15, R x SBR x BR41
8/30 1093

3715 " " " " ✓
8/30

3716 " " " " ✓
8/30

3717 Karong - strange B47-4942
8/24 5344

3718 8/24 " " ✓
extremely tall, mid gr. type
smooth, about a BK grain

3719 8/24 " " ✓
extremely tall, mid gr. type
smooth, about a BK grain

3720 BB+50
8/21

B47-5002-14 5348	8/23	Karang-Serang	3721
---------------------	------	---------------	------

✓ "	8/23	"	3722
-----	------	---	------

B47-4980-3 5350	8/16	"	3723
--------------------	------	---	------

✓ " 8/9 Smooth } handles	8/16	"	3724
-----------------------------	------	---	------

5356	8/18	"	3725
------	------	---	------

✓ "	8/18	"	3726
-----	------	---	------

5358	8/18	"	3727 Hr
------	------	---	------------

✓ "	8/19	"	3728 Hr
-----	------	---	------------

3729

B47-4980-3,
8/19

Koranga-Serang
5362

3730

"

8/19

"

✓

3731

8/7

"

8/19

"

✓

3732

"

"

5366

3733

"

"

✓

3734

"

"

5368

3735

"

"

✓

3736

"

"

5369

These were 3727 & 3728 approx. like
are very uniform, a number of
gram type, grow rather tall but not
standing stems, some have

late most
all are late, not too tall, & sturdy stems

B47-4980-3, Korang-Sarang

5369

3737

"

✓

"

3738

"

✓

3739

BR

8/28

3740

"

5370

8/7

8/18

"

3741

"

✓

8/18

"

3742

B47-4980-5

5382

8/30

3743

"

✓

8/30

"

3744

Like original, are
V. tall + headed, rough

Handled these ones for
bulking, Prob some in
Lulu

3745 B47-4980-5 8/30 Karang-Serang 5382

3746 B47-4976-1 8/20 " 5384

3747 " 8/23 " ✓
Sowed and v. sturdy, grain
too long & al curved.

3748 " 8/20 " ✓

3749 B47-4962-14 " 5395

3750 " " ✓
v a bearded type, don't plant

3751 B47-4954-1 " 5401

3752 " " ✓

B47-4954-1 5401			Korang-Sarang	3753
B47-4950-9 5402	8/28 1 early hatched		"	3754
✓	" (1 early 8/7)		"	3755
✓	"	Very late much later than B47-4950-9	"	3756
5404	"	8/28	"	3757
✓	"	8/28	"	3758
✓	"	8/28	"	3759
✓	"	not a chick 8/29	"	3760

like original except
smooth, 2a v. tall + bearded.

3761

B454/A1-6

8/24

R-7689 x TP49

5406

3762

"

8/24

"

✓

3763

B454/A1-41,

"

5412

3764

"

"

✓

3765

"

"

v. large stems, v. long florets ✓
 shorter straw than Rex or TP49,
 grain top full & too short, v. sturdy
 St. earlier than Rex.

3766

B4545 A1-9

TP x H.11 Med

8/22

check. parting qual 5422

Straw hulls, excellent Patma grain
 long rows, fairly short, sturdy straw
 later than BBT. earlier than TP.

3767

8/22

"

"

✓

3768

8/22

"

"

✓

B4545A2-1

5427

normal

TPxHill Med

3769

"

"

✓
normal

3770

5427 ✓
rogue
a gold rogue that looked
v. good in 1951
" clay like than Rogers, v. short
straw, Watch, Has a
v. good grain type
" chuck parking girl. 6 row
plot

3771

✓
rogue
3772

5435

"

8/20

"

3773

✓
Was clean for 160 in 1951
" 8/20
" 3774

✓
" 8/20
" 3775

5445 " 8/29
" 3776

an excellent short, stiff strawed T.P.
type, grain longer than T.P., sl curved
3776+77 were both low and hulled,
appeared the same, a short strawed T.P. also type

3777	B4545A2-1 8/29	TP x H. 11 Med	5445
------	-------------------	----------------	------

How Thick + 3776 near 5-6 inches
shorter than Rex, + much earlier

3778	"	"	5446
------	---	---	------

3779	"	"	✓
------	---	---	---

3780	Rex		
------	-----	--	--

3781	" sl. earlier than Rex ✓, short straw, but grain too short, good veg. character	"	5446
------	--	---	------

3782	"	"	5450
------	---	---	------

3783	" sl. short straw, Rex mol, grain a little too full; good veg characters	"	✓
------	---	---	---

3784	"	"	✓
------	---	---	---

B4545A2-1

5454

8/21

Seg 1b,
BBotmet

TPxHillMed

3785

"

"

✓

8/20

3786

"

"

✓

Seg 8/3

3787

B4545A2-3-2-2-1

5462

"

3788

"

"

✓

3789

"

"

✓

3790

B4545A2-3-2-2-1, TPxHIN Med
5463

3801

"

"

3802

✓

"

"

3803

✓

B4545A2-3-2-4-1

"

3804

5466

"

"

3805

✓

"

"

3806

✓

"

"

3807

✓

B4545A2-12

"

3808

8/23

5472

B4545A2-12,
5472 8/24 -

TP x H, 11 Mod.
3809

✓ 11
8/21 -

11
3810

✓ 11
8/23 -

11
3811

B4545A2-17
5473

11
3812

Nearly 6 feet tall, TP grain just
even taller than TP, Saw get hit
factor present! Long heads

✓ 11
3813

✓ 11

11
3814

5475 11

11
3815

✓ 11
V. long heads, much shorter
than 3812 but still tall

11
3816

3817	B4545A2-17	TP x Hill Med	5475
------	------------	---------------	------

3818	" 8/7 - 8/16	"	5476
------	--------------	---	------

3819	" 8/7 - 8/16	"	✓
------	--------------	---	---

3820	Cent 7/30 - 8/8		
------	--------------------	--	--

3821	" 8/7 - 8/15	"	5476
------	--------------	---	------

3822	" 8/7 - 8/15	"	✓
------	--------------	---	---

3823	B4545A2-18 8/20	"	5477
------	--------------------	---	------

3824	" 8/20	"	✓
------	--------	---	---

B4552A1-18

TPXR-7689

5484

Clean font D in 1951

3825

"

"

3826

"

"

5485 8/27

3827

"

"

✓ 8/25

3828

fairly short straw, short heads,
green straw, long upright flags but
lacks vigor of TP44

"

"

✓ 8/25

3829

B4552A1-23

5491

8/28

"

3830

"

"

✓

8/28

3831

"

"

✓

8/28

3832

Thick 2 ft. or more
vegetation

all 4 rows appear alike

3833	B4552A1-23 8/29	TP x R-7689 5491
------	--------------------	---------------------

3834	B4552A1-15	" 5498
------	------------	-----------

3835	" <i>[scribble]</i>	" ✓
------	------------------------	--------

3836	" <i>[scribble]</i>	" 5501
------	------------------------	-----------

3837	" Short straw as compared with sister rows on both sides	" ✓
------	--	--------

3838	"	" ✓
------	---	--------

3839	" 8/25	" 5503
------	-----------	-----------

3840	" 3 in 8/30 - 8/8 ripe 8/28	" ✓
------	-----------------------------------	--------

B4552A1-15,
5503 8/23

TPXR-7689
3841

✓ " 8/23

" 3842

B4527A1-1-2
5514 7/30 8/7

TP49 x R
3843

✓ " 7/30 8/7

" 3844

✓ " 7/30 8/7

" 3845

B4527A1-11
5517

" 3846

a short stemmed TP type
of about TP 49 met

1/2

✓ " 3847

✓ " 3848

" 3848

3849	B4527A1-20	TP49 x R	5519	
3850	"	"		✓ a short stemmed TP type of TP 49 mate. Should stand up v. well
3851	"	"	5523	
3852	"	"		✓
3853	"	"		✓
3854	B4527A1-48	"	5531	
3855	"	"		✓
3856	"	"		✓

B4527A1-48

5531

3857

T 918

5586

much like CI 4700 3858
but stands up better, some plants
are only 6 feet tall
Sh. later than Rex.

"

✓

3859

BBT 50

8/22

3860

"

5586

3861

glutinous B49-6233-2-4

Glut BBT

3862

2298

8/22

8/15

"

"

✓

8/22

8/15

3863

"

"

✓

8/3

8/15

3864

3865 849-6233-2-8 8/3 - 8/17 Glut BBT 2302

v. tall

3866 " 8/6 - 8/17 " ✓

v. tall

3867 " 8/7 - 8/17 " ✓
v. tall

3868 " 8/4 8/16 " ✓

v. tall,

3869 849-6233-3-3 8/2 8/15 " 2305

3870 8/3 8/15 " ✓
Smooth, gold, glut, Sare

3871 " 8/2 - 8/15 " " ✓

3872 " 8/1 - 8/15 " ✓

B4045 B47-1-1-1
2323 8/25

Glut Roque
3873

✓ " 8/25

3874

✓ " 8/25

3875

B4045 B47-2-1-1
2326 8/27

3876

✓ " 8/27

3877

B47-4399-2-1
2327 8/18 Leg

C.I. 5099 Natl Cr
3878

Common?

✓ " 8/18 Leg
common

3879

BR - 8/26

3880

3881

B47-4399-2-1

C.I.5399 Not/ cr

2327

Common?

3882

B47-4399-7-1

2329

3883

"

✓

3884

"

✓

3885

"

✓

3886

B47-4399-7-2

2331

3887

"

✓

3888

B47-4399-8-2

2332

are late mat., glaucous like T.P.
not over 35 inches tall, those
thinned out v. well, have good yield of
grain, are v. uniform
smooth med-gr., glaucous

very tall than
7-1 lines
smooth med-gr.
glaucous

B47-4399-8-2 C.I. 5599 Nat'l Cr
2332 ✓ 3889

Ha

✓ "

3890

Ha

are like 3882, but appear to have more grains

3901 B47-4399-16-3 C.I. 5399 Not/Gr.
8/7 8/19 2335

3902 8/9 ✓

3903 B47-4399-1-16-3 " 2337
8/7 common

3904 8/6 " ✓
Common

3905 8/6 ↑ " 8/18 2338

3906 8/5 " 8/18 " ✓

3907 8/5 " 8/18 " ✓

3908 B47-4399-1-16-3 " 2341
- 8/20

B47-4399-1-16-3

C.I. 5399

Nat'l Cr.

2341

8/20

3309

B47-4397-1-1

2346

8/5

8/17

"

3310

"

8/4

8/17

"

3311

"

2347

8/3

8/15

"

3312

"

✓

8/3

8/15

"

3313

B47-4394-2-3

2352

8/27

"

3314

"

✓

8/27

"

3315

Earlier & smaller seeded than
3919 etc but as tall,

"

✓

8/27

"

3316

3917 B47-4394-14-1 C.I. 5399 Net/Cr. 2356
8/21 ✓

3918 " " ✓
8/21

3919 B47-4394-18-2 " 2365
Shimmed again in 1952, check
Shimmed again in 1951 could this
be a sugary type?

3920 Cal ✓

3921 " " 2365
Possibly seg. for Cannon &
glut ✓

3922 " " ✓
Seg. 4 ✓

3923 B47-4394-7-1 " 2375
- 8/26

3924 " " ✓
8/26

B47-4385-87-8-1

C.I. 5399 Not Cr.

2393

3925

✓

"

3926

✓

✓

"

3927

"

"

2394

3928

appears highly productive, not taller
than B47. 1. good straw (green)
segs. grain type, glutinous

"

"

2394

3929

7/15 seg 8/29

Like 3928 but seg. mat

C.I. 8629

Glutinous

CI-8629

3930

2nd. 8/2

✓

✓

"

"

3931

✓

✓

"

"

3932

✓

a med to short grain type
" sparse husks, easily threshed
" very easily lot seedling material

7/31

7/31

7/31

all segs v. uniform
short strawed (spike)

3933

C.I. 8629 Glutinous

C.I. 8629
Increase

3934

"

"

✓

3935

"

"

✓

3936

8/24

unknown
gent

3937

8/31
tail med to
short grain,
rather

✓

3938

8/1 leg. hard cross

B4387

2s. 1/2 promising as a long sl. gr. type
smooth hull, sept. gold & green
med & long sl. Sowed long sl. gr.

gr. type
Benoit,
long rough

3939

8/24 - 8/30
uniform type

✓

3940

Ref

B438A	8/1	Seg, (nall cr.)	3341
rough			✓
Beard			
long rough			
✓	8/1		3342
long			✓
smooth			
✓	8/2		3343
✓			✓
are & sandy threshold			
have crust flaps of clay			
but med. gr. figures,		(med. gr.)	3344
are late as per. or		full	✓
meanly so.			
are & sandy threshold			
have crust flaps of clay			
but med. gr. figures,		(med. long gr.)	3345
are late as per. or		full	✓
meanly so.			
✓	8/1	Seg, nall cr.	3346
✓			✓
✓	8/1	Seg, nall cr.	3347
✓			✓
✓	8/24	8/30	3348
short	un' mat,	pr apu	
rough	Segn	rough & smooth	

3949

seg, rough smooth
pr. apric - 8/30

B4387

Benoit

request

short rough

3350

seg rough smooth
- 8/30short
smooth

3351

9/2

✓

✓

3352

9/2

✓

✓

3353

8/29

✓

✓

3354

8/30

✓

✓

3355

8/29

✓

✓

3356

seg

✓

✓

C.I. No.					
2567	C.I. 8150	7/31			3357
	—				✓
✓	—	" 8/5	8/20		3358
					✓
✓	—	" 8/5	dodged		3359
					✓
Cent		8/8			3360
2561	C.I. 6011	8/1			3361
✓	8/1				3362
✓	8/1				3363
2563	C.I. 6018	8/7			3364
			✓		

3365 C.I. 6018 8/7 lodged on 9/28 2563

3366 " 8/7 ✓

3367 C.I. 6037 8/7 2565

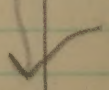
3368 " 8/7 ✓

3369 " 8/7 ✓

3370 " 8/7 ✓

3371 C.I. 8337 8/7 2569

3372 " 8/7 ✓



C.I. 8337

2569

lodged on 8/28

3373

✓

"

8/1

3374



Cal-1472-5-2

2571

8/1

3375

✓

"

8/1

3376

✓

"

8/1

3377

Pr. Plant

off type

2397

3378

off type
plant

✓

✓

are branching freely
purple hillocky and

"

"

3379

Zen

ripe on 8/28

3380

3381	Purple Plant (Offtype) showing full per hulls	2397 off-type plant
------	--	------------------------

3382	8/3 —	3896 Sathi
------	-------	---------------

3383	8/1	✓
------	-----	---

3384	8/1	✓
------	-----	---

3385	8/1	✓
------	-----	---

3386	8/1	✓
------	-----	---

3387	B48-3555-1-4-1-1, Hill Pat. x Red 8/15 seg	2544 Red
------	---	-------------

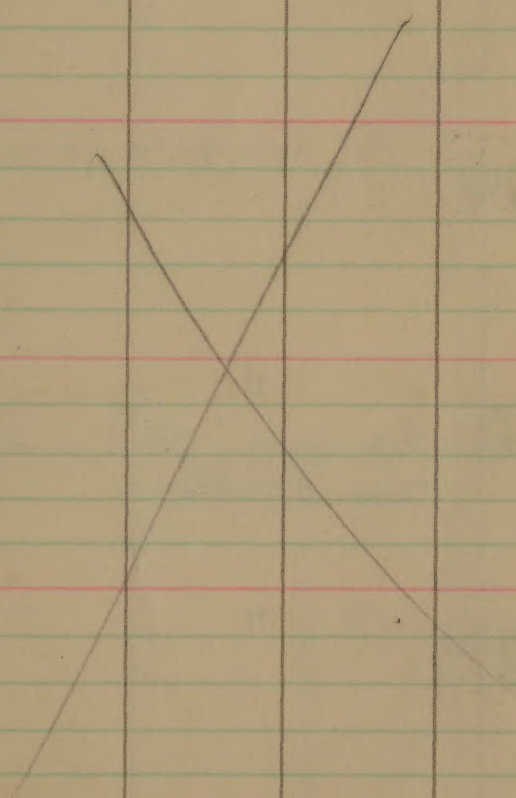
3388	8/15 seg are mostly late + types like Peras Seg for mat. + grain color, gold hulls are quite different H.O. W. et al	✓ Red
------	--	----------

B48-3555-1-4-1-1,
2544 8/15 Aug
Red

Hill Pat x Red
3389

✓
Red 8/15 Aug

"
3390



4001

B48-3555-1-4-3-1, Hill Pat. x Red
Some pinkish, others
dark, 2547
Red

4002

"
Seg Red & white,

"

✓
Red

4003

"
all Red seed, rather light,
so may be a brown.

"

✓
Red

4004

B48-3555-1-4-3-4,

"

2549
white

4005

"

"

✓
Red

4006

"

"

✓
Red

4007

"
2s segs. Red and amber
no white,

"

✓
Red

4008

"

"

✓
Red

all are segs. mixture

B48-3555-1-4-3-4, Hill Pot. x Red
2549 4009

Red segs Red x white
mostly midseason.

B48-3555-1-4-5-2 " 4010
2551
white

✓ " " 4011
Red

✓ " " 4012
✓

✓ " " 4013
white

B48-3555-1-4-5-3, " 4014
2552
white

✓ " " 4015
white

✓ " " 4016
✓

all are segs. mostly

4017

B 48-3555-1-4-5-3, H. 11 Pat x Red
8/20 2552
white

4018

B 48-3555-1-4-7-1,
8/19" 2553
Red

4019

all are new
" 8/19" ✓
✓

4020

BBT 50,
8/22

4021

" seq 8/20

" 2553
Red

4022

B 48-3555-1-4-7-2 " seq 8/20

2554
Red

4023

B 48-3555-1-4-8-1 " seq 8/20

2555
Red

4024

" seq 8/24
V" ✓
✓

B48-3555-1-4-8-1

Hill Pot x Red
40252555 8/12
Red

"

"

✓ 9/12
✓

4026

"

"

✓ 8/12
✓

4027

B48-3555-1-4-8-2

"

2556
Red

4028

"

"

✓
✓

4029

"

"

✓ 9/1
✓

4030

"

"

✓ 8/30
✓

4031

B48-3555-1-4-9-2,

"

2558
white

4032

mini 8/27

all white

a vigorous growing one

4033	B48-3555-1-4-9-2, 8/8 seg.	Hill Pat. x Red	2558 white
------	-------------------------------	-----------------	---------------

4034	B48-3555-1-4-3-1, 8/8 seg.	"	2546 white from Red Row
------	-------------------------------	---	-------------------------------

4035	" 8/10 seg.	"	✓ ✓
------	----------------	---	--------

4036	" 8/10 seg.	"	✓ ✓
------	----------------	---	--------

4037	" 8/10 seg.	"	✓ ✓
------	----------------	---	--------

4038	Introductions MAKERS 8/28 - T-903		5573
------	--	--	------

was labeled 52737

4039	"	"	✓
------	---	---	---

4040	BR - 8/29		
------	-----------	--	--

~~DATA 19339~~ T-958
5570

4041

"

"

4042

~~DATA 1473-52~~ T-902
5572

4043

"

"

4044

~~B 4539A 19-3-1-2, R-7689~~ ~~Remark~~
5593 8/8 8/19

4045

T1034, SPI 160,468

"

"

4046

~~B 4539A 19-11-2-2, R-7689~~ ~~Remark~~
5601 T-1462

4047

"

"

4048

4049

~~BA 839A 1A 19-11-22, T-2689x Remark~~

T-1462

5601

4050

~~" BA 839A 1A 19-11-22, T-2689x Remark~~

5602

4051

" 8/8

5603
~~5603~~

4052

" 8/8

✓

4053

" 8/8

✓

4054

T-1539

8/22

5604

4055

" Long after glimmer
8/22

✓

4056

T-1540

8/6 - 8/18

5610

Red Sand Coat

T-1540

5610

8/6

8/18

4057

T-1550

5614

8/28

4058

all, prob. *Festuca*

✓

- 8/30

4059

cal

4060

T-1570

5616

8/2

glut

V. large seeded, large
glutinous

4061

✓

"

✓

8/2

4062

T ?

5619

8/4

purple hulls, glut

4063

✓

"

↓

8/2

4064

- | | | | |
|------|---|---------------|---------------|
| 4065 | T [?]
purplish ^{suppl.}
8/8 | | 5619 |
| 4066 | Red Rice type from Century
7/25 8/5 | | 3631
white |
| | short pubescence, not smooth
(Smooth hull) Red Rice Ragone | | |
| 4067 | 7/28 | " | ✓
✓ |
| | | ✓ | |
| 4068 | 7/31 | " | ✓
✓ |
| 4069 | B4527A1-28 | TP49 x Rexoro | 5536 |
| | (Smooth, gold, med-gr.) | | |
| 4070 | " | " | ✓ |
| | leaf blotching | | |
| 4071 | B45 B438A1-104
8/27 | Nat'l Cross | 5547
Shaw |
| 4072 | 8/1 - 8/10 | " | ✓
✓ |

B438A1-104

5547-8

straw

Nat'l cross

4073

B4031A1-1-1

3734

8/1

Nat'l cross

4074

Jap straw, Rex grain

"

"

4075

✓

8/1

"

"

4076

✓

8/1

"

"

4077

✓

8/1

"

"

4078

✓

7/31

"

"

4079

✓

8/1

Rex

4080

4081	B4031A1-1-1 7/31	Not /	Cross 3735
------	---------------------	-------	---------------

reduced leaf area type
good hulls

4082	8/4	"	"
------	-----	---	---

4083	8/6	"	"
------	-----	---	---

a good line for reduced leaf
area, cross with Cent, BB etc

4084	8/6	"	"
------	-----	---	---

Reduced leaf area type
straw hulls

4085	8/5	"	3736
------	-----	---	------

4086	8/7	"	"
------	-----	---	---

4087	8/1	"	5631
------	-----	---	------

like 4090

4088	8/1	"	"
------	-----	---	---

like 4090

B403/A1-1-1

5635

like 4090

Nat'l cross

4089

11

8/1

✓ med-gr. leaved, threshold

1

4090

~~4091~~~~4092~~~~4093~~~~4094~~~~4095~~~~4096~~

Rows labeled - 1 or - 2 on 1951 row number are those sent to Beltonville for seed

		Field HO 8/18/52		
	Disease Nursery HO-3-1-1-1	R-MR	GH	
4101		3	4	5637-1 1/R
TP mat. v. good.				
4102		MS 6		BBT 50
4103	HO-3-1-2-2	R 2		5641
as late as ex. in later				
4104		MS 6		BBT 50
4105	✓	R-MR 3		5641
like 4103				
4106		MS 6		BBT 50
4107	HO-3-2-1-1	R 2	4	5643-1 1
midseason, not straw				
4108		MS 6		BBT 50

culatation

field CH

HO

HO-3-2-1-2

5645-1

1-2

mud season

H

BBT 50

R-MR

3

4

4109

✓

MS

6

4110

HO-10-1-1-1

5647-1

mud season

R-MR

3

4

4111

✓

BBT 50

MS

6

4112

HO-18-1-1-1

5651

MR-MS

5

4113

V. tall, short IP must on sl each
struck by stem

BBT 50

MS

6

4114

HO-18-1-1-1

5651

MR

4

4115

like 4113

BBT 50

MS

6

4116

G.H. field

			HO	
4117	HO-21-1-1-1	2	MR 4	5655-1 <u>4</u>
TP mat. v. good				
4118			MS 6	BRT 50
4119	HO-35-1-1-1		R-MR 3	5657-1
mudstone, shorter than 4 BRT 50, v. stands green steam, gran. 1/s is fuller. <u>adv</u> ?				
4120			MS 6	BRT 50
4121	HO-36-1-1-1	4	MR-MS 5	5667-1 <u>1/s</u>
4122			MS 6	BRT 50
4123	HO-45-1-1-1,	4	MR 4	5675-1 3/R
4124	mudstone		MS 6	BRT 50

G.H. field

HO

HO-45-1-2-1,
5677-1

4

MR-MS
5

4125

2-3
MR

shorter st. than BBT, midbrown

BBT 50

MS
6

4126

HO-49-1-2-1,
5679-1

5

MS

4127

4/ Al earlier than TP
fast ripening, st. taller than BBT 50

BBT 50

MS
6

4128

HO-51-3-1-2,
5687-1

4

MR

4129

2/1 Promising BBT 50 type
much like BBT 50, st. taller?

BBT 50

MS
6

4130

HO-51-3-1-3

5689-1

4

R-MR
3

4131

2/1

BBT 50

MS
6

4132

Field G.H.

HO-55-3-1-1, 4133 v. short straw, later than BBT, green leaves.	HO MR 4 3	5691-1 1/5
4134	MS 6	BBT 50
HO-55-4-1-1, 4135 late, v. clean.	MR 4	5692
4136	MS 6	BBT 50
HO-55-4-1-1 4137 like 4135	R-MR 3	5693
4138	MS 6	BBT
4139 HO-60-1-1-1, v. late 'Seg. mat.	(R)MR 2+	5695
4140	MS 6	BBT 50

field BH

HO

HO-60-1-1-1,
5695MR
4

4141

✓

BRT 50

MS
6

4142

HO-71-2-1-1,
5697R
2

4

4143

✓

BRT 50

MS
6

4144

HO-71-7-1-1,
5699MR
4

5

4145

2/1

no value medication.

BRT 50

MS
6

4146

HO-71-7-1-1,

5699

MR
4

4147

✓

in trench later,

BRT 50

MS
6

4148

field G.H

HO-71-7-1-1,
4149

like 4147

HO
MR-MS
5

5699

4150

MS
6

BIB 50

HO-91-2-1-2,
4151

v. late, good

MS
6

4

5703-1
 $\frac{2-3}{R}$

4152

MS
6

BIB 50

HO-99-4-1-1,
4153

undecision shorter etc

MR
4

4

5705-1
 $\frac{1-2}{MR}$

4154

MS
6

BIB 50

HO-308-1-1-1,
4155

Too Tall

MR-MS
5

5709
 $\frac{2-3}{R}$

4156

MS
6

BIB 50

HO-308-4-1-1,

5711

R/S

Too tall

HO

6H

MR-MS
4+

4157

BBT 50

MS
6

4158

HO-315-1-1-1,

5713-1

2/MR

MR-MS
5+

4

4159

amexcellent BBT 50 hyper, in telly
 similar appearance but v. little C.O. watch

BBT 50

MS
6

4160

HO-324-5-1-1

5717

1-2

MS

MR-MS
5

3

4161

like 4159

BBT 50

MS
6

4162

HO-367-2-1-1

5719

3/R

MR-MS
5

4163

Taller than BBT 59 similar to 4159
 in other respects

BBT 50

MS
6

4164

field
HO

6.4

HO-367-5-1-1,
4165

MR-MS
5

5721

$\frac{P}{S}$

looks v. good, productive, peak a little
later than BBT 50, sl. taller, good hulls

4166

MS
6

BBT 50

HO-389-1-1-1,

4167 Spend 2 bunches R

5729

Peak age for mat. but mostly BBT mat. an excellent BBT
gram type. Significant holds up cross with
BBT 50, etc. Watch

2

3

$\frac{1-2}{R}$

4168

MS
6

BBT 50

HO-388-1-1-1,

4169

R
2

5733

$\frac{1}{R}$

short panicle
late, quite tall, sturdy stem

4170

MS
6

BBT 50

?

HO-3⑧8-4-1-1,

4171

I-(R)

5735-1.

a good sativa grain type, rough hulls, no taller than BBT 50.
fairly productive, uniform

1+

3

$\frac{1-2}{MS}$

4172

MS
6

BBT 50

	field HO	GH	
0 1 v. late)	R ₂		4173
BBT 50	MS 6		4174
HO-394-1-1-1, 5737 $\frac{1}{R}$ no taller than BBT 50 like 4173, but better grain type	R ₂		4175
BBT 50	MS 6		4176
HO-394-3-1-2, 5741 $\frac{1-2}{R}$ quite tall late	R-MR 3	4	4177
BBT 50	MS 6		4178
HO-443-3-1-1, 5743-1 $\frac{0-1}{R}$ late, rough, full grain, med large fairly short stem	R ₂	Seg #13 4 plants (10)	4179
BBT 50	MS 6		4180

HO-443-3-1-1,
4181

field
HO

G.H

P₂

5743

$\frac{0-1}{R}$

like 4179 but shorter stem?

4182

MS₆

BBT 50

HO-443-4-1-1,
4183

MR-MS₅

5745

TP mat, rather tall

4184

MS₆

BBT 50

med long gran rough,
v. short sharp lat, full gran

4185

MR-MS₂₊

5749-1

$\frac{0-1}{R}$

HO-443-5-2-1,

4186

MS₆

BBT 50

HO-443-5-2-1,
4187

MR-MS₂₊

5749

like 4185

4188

MS₆

BBT 50

H0-443-6-1-1, 5753-1	H0	field H0	GH	
$\frac{2-3}{R}$ date, fresh		<u>MRMS</u> ⁴⁺ tall	⁴ slender	4189
BBT 50		MS 6		4190

HO-468-1-1-1,

4201

field GH
HO

R

2

4

5757-

1/4 MR

St. teeth than BBS? under
rough,

4202

MS
6

BBT 50

HO-468-1-5-1,

4203

(R) MR
2+

5761

1-2
MS

like 4201

4204

MS
2

BBT 50

HO-468-2-3-1,

✓ 4205

MR
4

4

5765-1

1/4 R

TP mat, or sl. earlier

4206

MS
1

BBT 50

HO-468-2-3-1,

4207

R-MR
3

3

5765-2

1/4 R

✓ are alike

4208

MS
6

BBT 50

	field	GH	
HO-468-4-2-1, 5767-1 1/2 MR Tuber than BBT 50	HO R-MR 3	5 ✓	4209
BBT 50	MS 6		4210
HO-468-4-2-1, 5767-2	MR MS 4*	6 ✓	4211
like 4209			
BBT 50	MS 6		4212
HO-468-4-3-3, 5773-1	MR 4	4	4213
like 4209			
BBT 50	MS 6		4214
HO-468-6-2-1, 5777-1 0-1/2	R-MR 3	4	4215
like 4209			
BBT 50	MS 6		4216

HO-468-6-2-1,
4217

field
HO 6H

MR
4

3+

5777-2

like 4209

4218

MS
6

BRT 50

HO-472-7-1-1,
4219

R-~~MR~~
3+

5

5785-1

late, fairly short stem, good grain prod,

4220

MS
6

BRT 50

HO-473-2-1-1,
4221

R
2

5

5789-1

late

good to cypres with palm type

short stem, long heads, rough,

1/R

4222

MS
6

BRT 50

HO-484-1-1-1,
4223

MR
4

5

5793-1

1/MS

4224

MS
6

BRT 50

	field HO	GH	
HO-484-1-1-1, 5793-2	R-MR 3	4	4225
like 4223			
BBT 50	MS 6		4226
HO-484-2-1-1, 5795	MR 4		4227
a productive row, like much like 4223 but smooth			
BBT 50	MS 6		4228
HO-484-2-1-1, 5795	MR 4		4229
BBT 50	MS 6		4230
HO-487-4-1-1, 5801-1	MR (MS) 5+	6	4231
like 4229?			
BBT 50	MS 6		4232

B3812 A1-2-1, Parent
4233

Tail, rather meaty stem

4234

B3812 A1-2-1, Parent
4235

✓

4236

B3812 A1-2-2, Parent
4237

like 4235

4238

B3812 A1-2-2, Parent
4239

like 4235

4240

field

HO

R-MR
3

6H

4

5805-1

MS
6

BBT 50

R
2

4

5805-2

MS
6

BBT 50

R
2

4

5809-1

MS
6

BBT 50

R
2

4

5809-2

MS
6

BBT 50

B3812 A1-2-2, Parent 5819-1	field HO	G H	
	R 2	4	4241
BBT 50	MS 6		4242
B3812 A1-2-2, Parent 5819-2	R 2	4	4243
BBT 50	MS 6		4244
B3812 A1-2-2, Parent 5823	R 2		4245
BBT 50	MS 6		4246
HO-2-1-1-1, 5827-1	R-MR 3	4	4247
a good Pattern type, BBT must			
BBT 50	MS 6		4248

		field HO	GH	
4249	HO-3-3-1-1,	MR 4		5831
4250		MS 6		BBT 50
4251	HO-4-2-1-1,	R-MR 3+		5833
+ all,				
4252		MS 6		BBT 50
4253	HO-4-2-1-2,	MR 4		5835-1
V promising due V. long buds, 4 later than BBT,				
4254		MS 6		BBT 50
4255	HO-9-1-1-1,	R-MR 3		5837-1
V. late, productive rose good 4				
4256		MS 6		BBT 50

full GT

HO

HO-11-1-1-1,
5839MR
4

4257

BBT 50

MS
6

4258

HO-11-1-1-1,
5839MR
4

4259

has v. long head, good
late,

BBT 50

MS
1

4260

HO-14-1-1-1,
5845-1MR (MS)
5+

4

Seq. wk strain

4261

BBT 50

MS
6

4262

HO-14-1-1-1,
5845MR-MS
5

4263

like 4 261.

BBT 50

MS
6

4264

field GA
HO

4265

HO-27-1-1-1,

MS
6

4

5847-1

late, profluent row

4266

MS
6

BBT 50

4267

HO-48-1-1-1,

MR-MS
5

4

5853-1

late, good productivity

4268

MS
6

BBT 50

4269

HO-48-1-1-1,

MR-MS
5

5853

ok 4267

4270

MS
6

BBT 50

4271

HO-49-4-1-1,

MR
4

5857

fairly short straw, later good row
sturdy straw

4272

MS
6

BBT 50

field GH
HOHO-49-4-1-1,
5857P-MR
3+

4273

like 4271

BBT 50

MS
6

4274

HO-51-5-1-1,
5863P-MR
2+

4275

taller than BBT 50, medium, good

BBT 50

MS
6

4276

HO-51-5-1-1,
5863-1P
2

4277

an excellent BBT type, same with BBT 50, V, little taller than BBT 50

BBT 50

MS
6

4278

HO-51-5-1-1,
5863-2P
2

4279

These subs have a st. fully gr. than BBT 50, which is badly checked on 1/2c, BBT 50 not checking

BBT 50

MS
6

4280

		field HO	6H	
4281	HO-65-1-1-1,	R ₂		5871
	Fall, 70 mat, productive			
4282		M ₆ S		BRT 50
4283	HO-67-1-1-2,	R ₂		5875-1
	W V. short straw, V. uniform, V. sturdy straw, good as a parent.		6	
4284		M ₆ S		BRT 50
4285	HO-83-1-1-1,	R ₂		5881
4286		M ₆ S		BRT 50
4287	HO-83-1-1-2,	R ₂		5883-1
	Excellent BRT type with BRT 50, etc		4	cross
4288		M ₆ S		BRT 50

HD-97-1-1-1,
5885

HO

MR MS
5+

4289

Mr, rather tall

BB+50

MS
6

4290

4301	HO-102-1-1-1, Taller than BBT-5 = similar mod + gr. type	field HO MS-5 6+	6H	5887
4302		MS 6		BBT 50
4303	HO-113-1-1-1, v short stem, fairly rich	R-MR 3	4	5893-1
4304		MS 6		BBT 50
4305	HO-113-1-1-1, like 4303	R-MR 3		5893
4306		MS 1		BBT 50
4307	HO-114-2-1-1, like, v short stem, not prod.	MR-MS 5		5895
4308		MS 6		BBT 50

	field	6H	
HO-114-2-1-2 5897-1	140 MR 4	4	4309
BBT50	MS 6		4310
HO-114-2-1-2 5897-2	(MR)MS 4+	4	4311
copy! more productive than other sites from this line			
BBT50	MS 6		4312
HO-114-2-1-2 5897-3	MR 4	4	4313
BBT50	MS 6		4314
HO-114-3-1-1, 5899-1	(MR)MS 4+	5	4315
BBT50	MS 6		4316

		field HO	6H	
4317	HO-114-3-1-1, Short straw	MR 4	6	5899-2
4318		MS 6		BBt 50
4319	HO-114-3-1-2,	MR-MS 5	6	5901-1
4320		MS 6		BBt 50
4321	HO-114-3-1-2,	MR-MS 5	5	5901-2
4322		MS 6		BBt 50
4323	HO-116-1-1-1, an excellent BBt 50 plant + watch.	MR 4	5	5903-1 grain type
4324		MS 6		BBt 50

field
HO

6H

HO-116-1-1-1,
5903-2(MR) MS
4+

4

4325

BRTSO

MS
6

4326

HO-119
5905-1MS
6

5 4327

BRTSO

MS
6

4328

HO-135-1-1-1,
5907-1(R) MR
2+

5

4329

BRTSO

MS
6

4330

HO-143-1-2-1,
5913-1R
2

4331

short head, v short stream, lake
(JP mat)

BRTSO

MS
6

4332

		field HO	6H	
HO-143-1-2-1, 4333		ⓅMK 2+	5	5913-2
like 4331				
4334		MS 6		BBT50
HO-144-1-1-1, 4335		R-MR 3	7	5915-1
Tall, ink stain		1		
4336		MS 6		BBT50
HO-144-1-1-1, 4337		R-MR 3	7	5915-2
like 4335				
4338		MS 6		BBT50
HO-161-1-1-1, 4339		MR 4	5	5921-1
TP mal, v. long heads, good stem?				
4340		MS 6		BBT50

	field	GH	
HO-170-1-1-1, 5923	HO		
a tall BBT type	MR 4		4341
BBT 50	MS 6		4342
HO-227-1-1-1, 5927-1	MR 4	5	4343
TP mat, like 4339			
BBT 50	MS 6		4344
HO-227-1-1-1, 5927-2	MR 4	4	4345
like 4343			
BBT 50	MS 6		4346
HO-252-1-2-1, 5929-1	R-MR 3	5	4347
trunk weaker stemed than BBT 50, similar mat.			
BBT 50	MS 6		4348

HO-252-1-2-1,
4349

like 4347

4350

HO-256-2-1-1,
4351

TP met,

4352

HO-281-1-1-3,
4353

TP met, about 1/2 way
stump, watch

4354

HO-281-1-4-2,
4355

Tall, TP met. good.

4356

field
HO

MR
4

GH

5

5929-2

MS
6

BBt50

MR
4

5931

MS
6

BBt50

R-MR

3

4

v. sturdy

5939-1

MS
6

BBt50

MR
4

4

5945-1

MS
6

BBt50

HO-281-1-4-2, 5945-2	HO MR 4	3	4357
Wk 4 3 55			
Bkt 50	MS 6		4358
HO-281-1-4-2, 5945-3	MR-MS 5	4	4359
Wk 4 3 55			
Bkt 50	MS 6		4360
HO-302-1-1-1, 5947-1	R-MR 3	4	4361
Taylor from Bkt 50, look, study, sham Uniform			
Bkt 50	MS 6		4362
HO-302-1-1-1, 5947-2	MR 4	5	4363
Wk 4 3 61			
Bkt 50	MS 6		4364

field
HO

6H

4365

HO-330-1-1-1,

MR-MS
5+ 5

5949-1

badly lodged Tail, BBT mat.

4366

MS
6

BBt 50

4367

HO-330-1-1-1,

MR-MS
5

6

5949-2

like 4365

4368

MS
6

BBt 50

4369

HO-330-1-1-4

R

5955-1

possibly a non completion 6
V. short stem, low major compound
with BBt 50 glands

4370

MS
6

BBt 50

4371

HO-330-1-1-4

R-MS
3

7

5955-2

like 4369

4372

MS
6

BBt 50

field 6H
HOHO-330-1-1-5
5957R-MR
3

4373

wks 4369

Bkt 50

MS
6

4374

HO-341-1-1-1,
5965-1I-R
1

4

4375

Taller than Bkt 50, similar mat.
prob. poor looking, ink stain

Bkt 50

MS
6

4376

HO-341-1-1-1,
5965-2I-~~R~~
R
1+

4

4377

Bkt 50

MS
6

4378

HO-341-1-1-1,
5965-3I-~~R~~
R
1+

5

4379

Bkt 50

MS
6

4380

all are alike

		field	6H	
4381	HO-341-1-1-1,	HO I-R 1	4+	5965-4
	like 4379 et al			
4382		MS 6		BBT 50
4383	HO-341-1-1-2,	R 2	4	5967-1
	like 4379, et al			
4384		MS 6		BBT 50
4385	HO-341-1-1-2	R 2	4	5967-2
	like 4383			
4386		MS 6		BBT 50
4387	HO-364-1-1-1,	R 2	5	5973-1
	late, short stream			
4388		MS 6		BBT 50

HO-364-1-1-1,
5973-2

field
HO

GH

(P)MR

4389

2+

5

like v chain good work, not
too tall

BBT 50

MS
6

4390

field
HO 6H

HO-371-1-2-1,
4401

R-MR

5985

Too late to be hds on ³ 10/27

4402

MS
6

BBT 00

HO-371-2-1-1,
4403

R-MR
3

5989-1

U. Um, TP rivet, fairly short stem, good

4404

MS
6

BBT 50

HO-371-2-1-1,
4405

R-MR
3

5989-2

like 4403

4

4406

MS
6

BBT 50

HO-371-2-1-2
4407

MR
4

5991-1

like 4409

4+

4408

MS
6

BBT 50

		field HO	6H	
HO-371-2-1-2 5991-2		MR ⁴	4+	4409
much like 4403 but taller, TP mat				
BBT 50		MS ₆		4410
HO-421-2-1-1, 6007-1		MR-MS ⁵	⁵	4411
Seg show + gold, some v good BBT grain types, later than BD (TP mat)				
BBT 50		MS ₆		4412
HO-421-2-1-1, 6007-2		MR-MS ⁵	⁵	4413
grain mat as large as 4411. v productive				
BBT 50		MS ₆		4414
HO-429-2-2-1, 6011-1		MR ⁴		4415
upright panicles, short higher panicles, unusual, Tall				
BBT 50		MS ₆		4416

field
HO BH

4417 HO-429-2-2-1, MR 6011-2

like 4415 but shorter stem

4418 MS 6015-1

4419 HO-438-1-1-1, R-MR 4 6015-1

late mat, rough, long row,

4420 MS 6015-2

4421 HO-438-1-1-1, R-MR 5 6015-2

rougher than 4419, prob BB stem

4422 MS 6015-3

4423 HO-438-1-1-1, MR 5 6015-3

4424 MS 6015-4

HO
 HO-441-4-1-1,
 6019 MRMS
 4+
 v. late, upright flaps

4425

BBSO

MS
6

4426

HO-441-4-1-1,
 6019

MR

4427

late, upright flaps, ⁴ like 4425

BBSO

MS
6

4428

HO-444-2-2-2
 6023-1

MS
6

4429

v. late, TP type, ⁴ but rather
 tall

BBSO

MS
6

4430

HO-444-2-2-2
 6023-2

MS
6

4431

much like 4429 ⁴

BBSO

MS
6

4432

HO-464-1-1-1,
4433

field
HO 6H

MR MS

5+ 3

6037-1

as early as BMS or earlier
not as tall as BBT 50

4434

MS
6

BBT 50

HO-464-1-1-1,
4435

MR MS

4+ 3+

6037-2

much like 4433

4436

MS
6

BBT 50

HO-464-1-1-1,
4437

MR

6037-3

late than others from this time period

4438

MS
6

BBT 50

HO-485-1-1-1,
4439

MR

4 3+

6049-1

v. late v. short straw, reg. ht.
sturdy straw

4440

MS
6

BBT 50

	field HO	6H	
HO-485-1-1-1, 6049-2	MR 4	3+	4441
BBT 50	MS 6		4442
HO-485-1-2-1, 6053-2 (3 med late seed) - 2 late mostly early, a few late, pink. 3 E - 1 late (grow to determine mat. sign)	R-MR 3+	4	4443
BBT 50	MS 6		4444
HO-485-1-2-1, 6053-2 Hga very sturdy like 4443	R-MR 3	4	4445
BBT 50	MS (seg) check isolate this	6	4446
HO-489-1-1-1, 6073-1	MR 4	3+	4447
Slater than BBT. seed strain.			
BBT 50	MS 6		4448

field
HO

6H

4449

HO-489-1-1-1,

MR
4

3

6073-2

like 4447

4450

MS
6

BBT 50

HO-489-1-2-1,

4451

MR
4

6077-1

v. lshy, v short sturdy stem 4

4452

MS
1

BBT 50

HO-489-1-2-1,

4453

MR
4

3.

6077-2

v late like 4451

4454

MS
6

BBT 50

B396 B47-11-2-2-1

4455

MS
6+

4

6083-1

BBT most, st taller than BBT 50, weaker stem

4456

MS
6

BBT 50

	field	GN	
B 396 B 47-11-2-2-1	HO		
6083-2	MS 6+	4	4457
Same as 4457			
B 396 B 47-3-1-3-2	MS 6		4458
6093-1	MS 6	8	4459
v. late, tall short gr.			
B 396 B 47-3-1-3-2	MS 6		4460
6093-2	MS 6	7	4461
like 4459			
B 396 B 47-5-1-1-2	MS 6		4462
6101-1	MS 6		4463
med. late leaf dying tall looks to be rather clean for HO.			
B 396 B 47-5-1-1-2	MS 6		4464

field
HO 6H

B396 B47-5-1-1-2
4465

MR
4

9

6101-2

like 4463

4466

MS
6

BBT 50

B396 B47-5-1-4-2
4467

MR-MS

8

6109-1

are segs. sham + gold
v. sh. teller than BBT 50

4468

MS
6

BBT 50

B396 B47-5-1-4-2
4469

MR-MS
5

5

6109-4

segs. sham + gold.

4470

MS
6

BBT 50

B396 B47-5-1-4-3
4471

MS
6

7

6111-1

return to BBT mat.

4472

MS
6

BBT 50

	field HO	6H	
B 396 B 47-5-1-4-3 6/11-2	MS 6	7	4473
like 4471			
BBT 50	MS 6		4474
B 396 B 47-1-7-2, 6/115	MR MS 4+		4475
Tall, ink stain, clean, BBT met			
BBT 50	MS 6		4476
B 396 B 47-1-7-2, 6/115	MR 4		4477
like 4475			
BBT 50	MS 6		4478
B 396 B 47-1-8-2 6/19-1	MR 4	4	4479
much like 4475			
BBT 50	MS 6		4480

4481

B396B 47-1-8-2

full
HO 6H(MR-MS)
4+

5

6/19-2

like 4479

4482

MS
6

BBT 50

4483

MS
6

50-316

looks like Fortuna, taller than BBT 50
weaker strain

4484

MS
6

BBT 50

4485

MR-(MS)
5+

50-316

late, looks clean,
fairly short strain

4486

MS
6

BBT 50

4487

MR-MS
5

50-317

Taller than 4485, late, looks good

4488

MS
6

BBT 50

50-317

like 4487

BET SD

HO

MR-MS
5+

4489

MS
6

4490

~~4491~~~~4492~~~~4493~~~~4494~~~~4495~~~~4496~~

4501

T. Patina Parent

6 H

field
HQ

7

MS
6

6/33-1

4502

MS
6

BBT 50

4503

7

MS
6

6/33-2

4504

MS
6

BBT 50

4505

6

MS
6

6/33-3

4506

MS
6

BBT 50

4507

7

MS
6

6/33-4

4508

MS
6

BBT 50

		Field HO	6H	
6133-5		MS 6	6	4509
BBT 50		MS 6		4510
6155-1	T. Patna 49	Parent MS 6	8	4511
BBT 50		MS 6		4512
6155-2		MS 6	7	4513
BBT 50		MS 6		4514
6155-3		MS 6	7	4515
BBT 50		MS 6		4516

4517

MS
6

7

6155-4

4518

MS
6

BBT 50

4519

MS
6

7

6155-5

4520

MS
6

BBT 50

4521

MS
6

5

6139-1

4522

MS
6

BBT 50

4523

MS
6

6

6139-2

4524

MS
6

BBT 50

	field HO	6A	
6139-3	MS 6	4	4525
BBT 50	MS 6		4526
6139-4	MS 6	4	4527
BBT 50	MS 6		4528
6139-5	MS 6	8	4529
BBT 50	MS 6		<u>4530</u>
			4531
BBT 50			4532

4533

4534

BBT 50

4535

4536

BBT 50

4537

4538

BBT 50

4539

4540

BBT 50

4541

BBT 50

4542

4543

BBT 50

4544

4545

BBT 50

4546

4547

BBT 50

4548

82
4549

4550

BBT 50

4551

4552

BBT 50

4553

4554

BBT 50

4555

4556

BBT 50

4557

Bkt 50

4558

4559

Bkt 50

4560

4561

Bkt 50

4562

4563

Bkt 50

4564

4565

4566

BBT 50

4567

4568

BBT 50

4569

4570

BBT 50

4571

4572

BBT 50

4573

BBT 50

4574

4575

BBT 50

4576

4577

BBT 50

4578

4579

BBT 50

4580

4581

4582

BBT 50

4583

4584

BBT 50

4585

4586

BBT 50

4587

4588

BBT 50

4589

BBT50

4590

4601

4602

4603

4604

4605

4606

4607

4608

BBT 50

BBT 50

BBT 50

BBT 50

4609

66750

4610

4611

66750

4612

4613

66750

4614

4615

66750

4616

4617

4618

BBT 50

4619

4620

BBT 50

4621

4622

BBT 50

4623

4624

BBT 50

Bkt 50

4625

4626

4627

Bkt 50

4628

4629

Bkt 50

4630

4631

Bkt 50

4632

4633

4634

BBT 50

4635

4636

BBT 50

4637

4638

BBT 50

4639

4640

BBT 50

BRT 50

4641

4642

4643

BRT 50

4644

4645

BRT 50

4646

4647

BRT 50

4648

4649

4650

BBT 50

4651

4652

BBT 30

4653

4654

BBT 50

4655

4656

BBT 50

BBT 50

4657

4658

4659

BBT 50

4660

4661

BBT 50

4662

4663

BBT 50

4664

Sdg 1951
order Row

E. and G.
4601

Edith,

101

1022

7/29 - 8/5
Ripe on 8/29

B45-15-1-1-6-6-1-1
102

4602

2018

7/22 - 8/1
Discard acct H.D.

B45-15-1-3-5-1 103

8/4 - 8/13

4603

7/24 - 8/1

1011

7/24 - 8/1

7/24

7/28

7/24 - 8/1

7/28 - 8/1

7/28 - 8/1

B49-12-1-3, Hill Med, 104

4604

2039

7/28 - 8/9 (a number of stink bugs)
Ripe on 8/29 (leaves under them?)

almost a typical Zenith except smooth

B45-15-5-4-2-2-1, " 105

4605

7/30 - 8/12

2030

Ripe 8/30

4606

9/1

4 8/27 10.6

(Saved 1/2 from row
no. 2)

8/25

5 seg

340

3 9/3

6 seg

B46-3046-7-1-3, Rogue K-H x BR

4607

7/31

8/8

107

1020

Very easily threshed, clean straw
later than Z. Ripe 8/29

B4564A2-12-2-1-1, Bruin Sel x BR

4608

7/17

7/31

108

Ripe on 8/20

2092

disc. have
other seeds

Possibly same variation in ht.

drooping panicle, clustered more than 2.
Smooth, but for H.D.

Rows are segs for mat & ht.

looks almost like 2 for ht. & general appearance, good to cross with 2 for a smooth 2, very little sterility.

considerable number of sterile heads shorter stems than 4604, green larger & more yel. than 2. About like gold type from which selected

Segs for mat &

v. uniform, has large NO spots, v. evenly threshed; leaning sl. on 9/15. Look good

Fair 2 type, can't like panicle drop.

B4564 A2-11-4, Bruin Sel x Z 201
4609 1008

7/17 - 8/1
similar lines elsewhere, disc'

Med. gr. 202
4610 1014

7/28 - 8/8
Disc, no better than Cent,
this is not Leg. 203 22
335 Dewson or Leg

4611

7/28
easily threshed, gold hulls

B403/A1-1-1, Natl. Cr. 204
4612 3708

grows too tall
Stems hulls, med. gr. type

B50-4325, Century 205
4613 1001

7/27 - 8/9
disc med. grain type
Bot Ho.

H0-3-1-1-1, TP49 x B3812A 206
4614 5635

7/29 - 8/7
med. gr. type, easily threshed

long grain 207 (Said for seed stock)
4615 B433A2-6-10-7-1-3 2413 (don't plant)
7/29 - 8/8, Too tall
some say they are not between
rows, also diff in it.

B51-3644, Disk. Cent. 208
4616 3644

7/30 - 8/9
disc
ripe 8/30, looks much like
Century,

larger grain than 4608, possibly taller,
leaves wider than 4608, a better grain
type than 4608,

a v. good Century type.

ref. sturdier straw than 2 + at least no taller
wider leaves, gold hulls, looks good.

a good, med-grain type but too tall.
2nd flavored, may be sep for this character

opaque grain, is rather flat; grows rather tall

med short straw. H.O spots are rather large.
straw & leaves still v. green on 9/15
opaque grain color.

about a BBT for grain size, gold hulls

a long grained ant type appears well
good to use in straight head test.

✓4517 301 1026
 7/26 - 8/6
 This is probably Leger or Drusson
 Has large D.O. spots
 B403/A1-1-1-2-1, TBR-SBR 302
 4518 4008
 - 8/29

B403/A1-1-1-2-2-1, " 303
 ✓4519 4011
 8/3 - 8/31
 Rich. Temp. maturity

B403/A1-1-1-2-2-1, " 304
 ✓4520 - 8/30 1043

V. uniform
 Saved panicles for breeding stock supply
 Sent plant
 Original Century 305
 4521 1033

7/28 - 8/1
 Diggard. Has panicles of only Cut from Winterson
 field

Malta Cent. (Sh. straw). 306
 ✓4522 for breeding stock, and short straw 1030
 Seed heads 7/28 - 8/8 Ripe on 8/31
 Shorter straw than Century, more leafy
 V. uniform but not much shorter than 4521

Tall Century 307
 ✓4523 1027
 7/21 - 8/1

Hyb Mix-8-47-37-2 308
 4524 Sh. later than 308 1063
 8/16 -
 Short panicles, poorly filled
 Descend.

a very long plot, grain possibly not as flat
as 4614, other size much the same

about BBL mat, erect flag of Rex, a good looking plot.

better than BBL 50, v. good plot.
upright flag, long hooded good straw
green straw on 10/22 when panicles harvested.

like 4614, v. good, grain longer than Rex

Different rows are sign for grain length.

Has the short straw of B 4031A 1-3-3, but
slender grain of Century, looks promising
grain at least as good as Century, Is prob
more leafy than Ant. more like A1-3-3
in this respect.

Is nearly 70 inches tall, longer
grain than Century

grain almost as full as BBL, short
sturdy straw quite leafy
Threshes very easy

Hyb Mix-8-47-8-3-3, TPXR-SBR
4625 8/6 - 8/18 ⁴⁰¹ 1059 mt tip present

✓4626 C.I. 5094
8/8 - 8/18 ⁴⁰² 5625

✓4627 H.11 Patna
8/7 - 8/23 ⁴⁰³ 1164
Typical H.11 Patna

4628 H.11 Patna
8/5 - 8/19 ⁴⁰⁴ 1163
Seeds not as wide as original
more uniform maturity.

✓4629 B403/A1-1-1 Not/Cross
1 ⁴⁰⁵ 3735
7/28 ⁴⁰⁶ Same whitely wh. streak
Reduced leaf area type flat
grain type, good for churning with Jap
Stockdick, Fort type

4630 ⁴⁰⁶ 4861
7/24 - 8/6

✓4631 Stockdick, Fort type
⁴⁰⁷ 4856
7/17 - 8/2
a larger grain than 4630

✓4632 Stockdick, BBT type
⁴⁰⁸ 4795
8/25
prob taller than BBT, sl. later
prob more x BBT, grain longer than BBT

Too tall, but a v. good yielder

grain shorter than Rison, very good
qual, Hardly as tall as BBT, but
prob. taller than Ant, good,

v. wide leaves, v. tall, typical
of variety,

v. tall, is much earlier than
original,

Looks very good as a reduced leaf area
parent, Green stem, narrow leaves
of Jap varieties, but stems are more
erect, good yield appearance,

green stem, grain shorter than BBT. Is
very cylindrical, Hardly as tall as BBT
But has BBT mixture plant character.

a very good E. BBT type; grows too tall

is much like Emp BBT, Has an
even better grain type than Emp BBT
grows rather tall, Univ.

4633

B459A1-31-5-1-1 (501)
Hill Sel x Remark 2793

7/26 - 8/8

Too many sterile heads.
Unif. short straw

4634

B459A1-31-4-1-1, (502)
Hill Sel x Remark 2788

Sep

7/26 - 8/12

one tall row -

B459A1-49-1-2-1
✓4635(503) Hill Sel x Remark
2828

7/18 - 8/5

same height

4636

B459A1-97-2-1-504
3070

7/25 - 8/7

rather tall, productive

4637

B459A3-5-2-1 505
1185

7/18 - 8/1

Too many sterile heads

V. Uniform, short straw

4638

B459A3-8-2-2-1 506
2894

7/18 - 8/2

✓4639

B459A3-13-1-2-2 507
2939

7/19 - 8/6

4640

B459A3-14-3-1-3 508
2955

7/19 - 8/4

Too many dead lines

V. short stem

short stem

short stem

fairly tall line

V. short stem

short stem

medium short stem

short stem, large fls spots
appears to have excellent quality

✓4641	B459A3-15-1-1-2	601 2961	Hill Sel x Rexark	
Don't all rows	7/27 - 8/8	Wider leaves than Cent, a heavy plot. Prob. more leaf dry a shorter grain, quality looks very good.		
4642	B459A	602 2973	"	
	7/18 - 7/31	Shorter, stam		
Too many sterile heads,				
✓4643	B459A3-47-3-1-1	603 3032	"	
	7/20 - 8/2	Rather tall.		
Has exceptionally long heads, this may be of				value in crossing
4644	B4511A1-38	604 3344	Hill Sel x (TP x R-SBR)	
	7/29 - 8/9			
Rec. poor grain qual,				
4645	B4511A1-82	605 3392	"	
	7/29 - 8/11			
Rather wide leaves too tall, no value.				
4646	B4512A1-32	606 1081	Hill Sel x BBT	
	7/18 8/1/6			
4647	B4512A1-20	607 3217	"	
✓	7/20 - 8/2	No 8/20		
	full ripe 8/18			
✓4648	B4512A1-40	608 3241	"	
Prob. not as productive as BBT	8/23			
	St C.O. found possible triple			

not as good as 46 44

Some variation in lit between rows.

$\frac{1}{2}$ wide leaves, rather tall, large HO spots

Family: short straw, $\frac{1}{2}$ green + sturdy appearance
when ripe, grains have bean shape

4649 B4512A1-40 701 Hill Sel x BBT
8/12 - 8/23 3237

4650 B4512A1-32 702
3224
7/10 - 8/7 No 8/20
Ripe on 8/15

4651 B4512A1-34 703
3236
7/22 - 8/8

4652 B4515A1-35 704 Hill Sel x RN
3481

7/24 -
poor heads, are short & not too many
good segs growing, erect flag,
4653 B4519A1-47-1-1 705 TP49 x Rexark
8/7 - 8/16 2611
Bald grain, good straw disc

4654 B4526A4-1 706 TP49 x (TP x R-SBR)
4223 much W.T. on 7/29
7/30 - 8/8

✓ 4655 B4530A1-36-2-1 707 TP49 x Hill Med
8/1 - 8/13 1223 ✓ much W.T. on 7/29
Exceptionally short straw, drooping flag
rather wide leaves, erect (thyrse)
Intermediate grain type, prob. a full Ritz

4656 B4530A3-10-2-1-1 708
2513
7/29 - 8/7

Disc

green stranded BBT type grain more
slender than BBT as long, straw prob
as short or shorter than BBT 50, Better
grain shape than 4648

Large H.O. spots, rather wide lines.
flaps droop! almost a BBT grain for
size, looks good

short straw hay like B4031A13-3,

Looks very good as a v. short stranded
century, a full grain of better texture
than Ant, possibly some segs, better
now, prob better than Ant. good, excellent
fuel,

- ✓4657 B4535A1-29 109 R-7689 x BBT
8/13 - 8/24 4470
Uniform plot no taller than BBT
but appears to have weak stem of 2nd Pat
Has 2nd Patna appearance.
- 4658 B4536A1-3-5-2 110 R-7689 x Hill Med.
2461
7/28 - 8/11
very bl + mat.
- 4659 B4538A1-2 111 R-7689 x (1P x R-SBR)
4055
7/26 - 8/4
V. Uniform, not a sturdy stem type
- ✓4660 B4538A1-10 112 "
8/6 - 8/20 4069
Have very green stem, green the shot for BBT
Type
Bad for heads for 2nd stocks
- 4661 B4538A1-11 113 "
8/11 - 8/25 4057
- 4662 B4542A1-2-4-1 114 R-7689 x (1P x R-SBR)
7/20 - 8/2 (un) 1139
7/22 - 8/2
7/28 - 8/8 Very short stem,
7/28 - 8/8 Ripe on 8/28.
7/29 - 8/9
7/28 - 8/8
- 4663 B4544A1-26-3-2 115 R-7689 x RN
1194
8/10 - 8/22
- ✓4664 B4544A1-26 116 "
8/11 - 8/22 4945 Bad H.O. 7/29

end of early long?

Short strong, Ind character of plant
+ grain
Indian Patna grain type

Tall

Erect flaps

Start of Midlong

✓4665 8/10 - 8/22 ²⁰⁹ 357

✓4666 B454A1-24 ²¹⁰ 1103 BBtx K-R

✓4667 B454A1-81 ²¹¹ 4476 "

✓4668 B3412B43-22 ²¹² 5238 Ca x R
8/8 - 8/29
v. uni, mat,

4669 B455A1-7-2-1 ²¹³ 1075 BBtx (TPxR-SBR)
7/27 - 8/10
v. dark green, erect, short green

✓4670 B455A1-25 ²¹⁴ 4588 "
8/10 - 8/22
crayon all, short stem, 2nd 3rd & 4th rows
are sep for det.

4671 B455A1-15 ²¹⁵ 4536 "
8/11 - 8/22
Taller than 4670

4672 B455A1-25 ²¹⁶ 1076 "
8/11 - 8/22
v. short like 4670

segs. mat, v. tall,
fairly clean for H.O.
some C.O.

As tall as BBT and consid taller
than 4667. Some segs for lit.
more H.O. than 4665 & more
leaf drying. Some C.O.

Rather short straw for a BBT, good
incident grain texture. Grain more
slender than BBT. Prob. not as tall as
BBT. Grow in Ada. nurs. in 1953

Smooth top grain, on rather tall
large stems of Ruro, wide leaved.
Too tall, Has v. green straw when overripe,
v. little if any C.O. showing on 9/27

v. tall, rough

decid., no value.

Chalky grain, seg. lit in some rows,

Taller than A1-25, but prob
not as tall as BBT 50, good
plot, better qual. than A1-25

Is shorter than 4778 + 4773; much chalky grain
like A1-27,

✓4673	B455A1-27 7/29 - 8/15 looking good, 20 uni,	309 4502	BBT x (TP x R-SBR)
4674	B455A1-27 8/4 - 8/18	310 4512	"
4675	B455A1-27 8/3 - 8/18	311 4524	"
✓4676	B455A1-30 8/2 - 8/17 Some Sup. for meat between source	312 1102	" bad W.T. on 7/29
✓4677	B4522A1-55 8/26 - uni 9/8	313 4645	TP49 x BBT
✓4678	B455B2-11-2 - 8/22	314 1551	BBT x (TP x R-SBR)
✓4679	B459A1-87-1-2-1 9/9 -	315 3053	Hill Sc/x Rexark.
4680	B459A1-95 8/9 - 8/22	316 2726	"

Has conical chalk along belly of grain
 is the shortest strawed line and
 from A1-25. Prob. better qual than
 A1-25. mostly short tip awns,
 much taller than 4673

Too tall
 like 4674

Too tall

also segs for ht.
 good grain texture, gold hulls
 Saved heads from shortest row

Too leafy, later than BBT.
 ✓. good grain texture,
 about as short as 4673, wet
 prob. much better quality
 grain texture O.K. 35' taller than A1-25
 more nearly a BBT grain, (fuller)
 Uniform

Later, some segs for ht. & mat.
 and thickness of grain
 Saved most slender

no improvement over straw in field plots

✓4681 B459A1-95-9-3-1 409 Hill Sel x Remark
8/11 - 8/21 3062 bad H₂O

4682 B459A1-119-2-2-1 410
8/6 - 8/19 2672 " bad H₂O.

4683 B459A3-5-1-1 411
8/12 - 8/23 1184 "

✓4684 B459A3-8-3-1-2 412
9/8 2898 "

4685 B459A3-10-3-10 413
11/31 - 8/23 1186
Rather poor texture.

4686 B459A3-13-2-2 414
8/6 - 8/20 1187 " bad H₂O.

✓4687 B459A3-13-2-2-1 415
8/8 - 8/19 2943 " bad H₂O

V. good grain shape and text.
green stain.

✓4688 B459A3-14-1-2-3 416
8/9 - 8/20 2948 " bad H₂O

much like A 3-13, but, sl
fuller grain.

fuller grain than many of the better lines
 among the shortest, flags quite erect.
 Some others appear heavier,
 excellent quality, green straw
 Too much leaf drying

Taller than most, a B&T grain for size
 Too much leaf drying

late. uniform, looks good.

one of shortest straw + extreme in erect flags.

✓ 4689 B459A3-14-2-1 509 Hill Sc/x Remark
2/8 - 8/18 1188

4690 B459A3-27-3-2-4 510
2/31 - 8/15 2991 v bed for H Don't kg "

4691 B459A3-47-2-2-1 511
8/3 - 8/24 2622 bed for H Don't kg "

✓ 4692 B459A3-54-4-2-3 512
8/10 - 8/20 2685 "

4693 B459A3-54-3-1 513
8/6 - 8/20 1158 "

✓ 4694 B459A3-63-3-1-1 514
8/10 - 8/23 2691 "

✓ 4695 B459A3-65 515
8/6 - 8/23 1129
resembles
and apparent good grain texture. Reserve

4696 B459A3-69-2-1-2 516
8/11 - 8/22 2698 "

clean leaves & stems
segs. grain shape, some more sl.
culms, young from row with straight
grains, looked very good

large H. spots on 9/15 & much discoloration
full grain, rather poor texture

V. tall

Too tall, a V. good plot.

Short stem, may be some sign for ht.
V. slender grain, high qual. sturdy stem
Open panicle type. good grain type

much like 4692, prob not as good.

Same as 4692, may be a little taller

later than 4693 flag more erect, good,
fuller grain than most, larger than
normal culms, sturdy stem - taller than
desired.

Extreme in erect flag, V. good grain shape & qual.
Short, V. sturdy green stem, sl. later
than B.B. Key plant type & growth &
grain type. Panicles barely emerge from sheath.
Some rusting or rots at base like Key.
about like 4695 but flags not so erect

✓4697 B459A3-72-1-2609 Hill Sel x Remark
8/8 - 8/21 2701

✓4698 B4510A1-9 610 Hill Sel x BBT
8/10 - 8/29 3147

4699 B4512A1-113 611 "
8/13 - 8/24 1078

4700 B4510A1-75 612 "
8/12 - 8/23 3167

✓4701 Century 233-1 613
8/18, Aug. 1136

4702 B4511A1-45 614 Hill Sel x TP & R. SBR
8/18 ~ 3350

✓4703 B4511A1-50 615 "
8/15 uni 3356

Erect flops may be present in normal
panicle development

4704 Century (Original) 616 Sel.
8/18 ~ uni 1133

~~Disc~~ Is not urgent too late

v. high quality, long heads, looks very promising
open panicle, much like 4692

a good plot, Is prob. a short stemmed
BBT type with a Rix grain shape.
rather wide leaves, B to C.V.

Is too tall —

grain too long.

Extreme in erect flags, short sturdy
stems, larger stems than Ant, later
than BBT.

Erect flags Has v. short stems, as
short as A1-25 BBT (TP + R-SBK) in field
plots, erect flags, ll. later than BBT
only fair texture

✓ 4705 Century 234-2-1 709
8/21 - 9/5 1138

~~Hh~~
all round no later than BBT

4705 B4512A1-4 710 Hill Sel x BBT
8/9 - 8/29 3194

✓ 4707 " 711 "
7/20 - 1080
over ripe on 8/24

✓ 4708 B4512A1-50 712 "
8/2 - 8/20 3251

~~Hh~~
4709 " 713 "
8/10 - 8/22 3254

4710 B4512A1-50-3-1 714 "
8/10 - 8/22 1082

4711 B4512A1-106-1-3 715 "
- 8/24 1105

4712 B4513A2-12-2-2-1 716 " p
8/9 - 8/20 3111

one of ~~the~~ shortest straw, sl. later than
 1/2 short straw
 BBT. No. all rows and possibly
 best in field plots, acct. 1/2 short straw
 and good grain type.

Too tall

clean for HO + no CO on 9/27
 Too tall but except. clean + green straw
 + leaves on 9/27 ~~is outstanding~~
 a good texture sl. BBT grain type, grain
 shorter than BBT.

clean for HO

like 4708

clean for HO

Taller than 4708 + 4709

✓ 4713	B4513A2-28 8/12 - 8/24	117 3129	H.11Sc/xBB?	?
✓ 4714	B4513A2-21 8/6 - 8/20	118 3119	"	?
✓ 4715	<i>Rowing center seat.</i> B4513A2-12-2-2-1 8/3 - 8/15	119 3111	"	?
✓ 4716	B4513A2-8 8/12 - 8/22	120 3103	"	?
4717	B4514A1-50 8/8 - 8/20	121 3431	H.11Sc/xTPxR-7689	
<i>gold hulla, has very good Patna grain type</i>				
4718	B4514A1-49 8/2 - 8/16	122 3423	"	
<i>Too tall</i>				
4719	B4544A1-26-1 8/2 - 8/16	123 302	R-7689x	8975
<i>V. large HO spots</i>				
✓ 4720	RN grain length B4515A1-58 8/9 - 8/28	124 3494	H.11Sc/xRN	
<i>V. good Ant grain type, some segs for ht. V. green straw, fairly clear for HT.</i>				

4721

B4524A1-43

8/4 - 8/16

217

4211

TP49X (JP, P-SBR)

much about
1/2 tall, are
4721 most
other much about
for
lot

4722

8/2 - 8/15

218

4121

are both
4721 most
other much about
for
lot

4723

B4524A1-43-3-2

8/7 - 8/18

219

1124

growth try in ad. yield more
short straw, some variation in lot,
earlier than BBT, much shorter straw, grain

4724

B4524A1-8-4-2

8/12 - 8/30

220

1121

segs. mat
mostly partly headed

4725

B4526A4-4-1

8/16 -

221

1119

fairly short straw, sturdy, TP49 vigor
Seedling row that was heading true

4726

B4526A4-14

8/4 - 8/16

222

4235

sl. earlier than BBT, has TP49 vigor, uni,

4727

B4530A3-61-1

8/4 - 8/16

223

344

TP49
(FPxP-7689) x Hill Med

leafy like TP49, 1st ripe 9/28
shorter straw than TP49, similar grain type
about TP49 mat. Excellent qual. in 19

4728

B4530A3-37-1-2-1

8/4 - 8/16

224

2515

S to C.D. fairly short straw
fuller grain than Bx, but excellent quality
and texture

v. good texture, about TP 49 grain size
and shape,
more slender, gold lumps

B4530A1-S-4-2-1

317

TP49x Hill/Mod

4729

8/7

- 8/19

2486

quite light, short stem,
looks good, grain is too thick

B4531A2-13

318

TP49x RN

4730

8/7

- 8/19

4979

Too tall

B4531A2-20

319

"

4731

8/9

- 8/20

5003

grain too long, disc

B4531A2-20-3

320

"

4732

8/9

- 8/20

298

like 4731

B46-4797-5-1-3

321

Rogue Sel

4733

8/3

- 8/16

1084

v. long heads, rapid leaf drying habit
appears to have India Pat. blood, narrow leaves

B4538A1-2-2-1

322

R-7689x (TPxR-SBR)

4734

8/12

-

1098

all rows deep mat?

B4544A1-26

323

R-7689x RN

4735

8/16

4953

B4544A1-26

324

"

4736

5 rows

297

12 1/2 in early, 3 in late
Row very early mat.

1 Row seg for sterile sector, probably
sterile types, seed panicles of both

may be gl. color than BBT, much
lighter straw. JP49, vigor, good straw,
very green yield, short as JP49 grain type,
same C. B.

Bas^h margin leaves, long heads
tough straw

4737 B4544A1-34 417 R-7689 x RN
8/8 - 8/19 4967

4738 B46-4799 418 Rogue Sel
8/7 - 8/20 4262

4739 B46-4797-5 419 Rexark Sel
- 8/29 4249
un' heading

4740 B403/A1-3-3-47-7 420 TP x R-SBR
8/4 - 8/16 3750

4741 Hyb Mix 8-49-10 421 " 1066
Has whey, Rex mat.

4742 Hyb Mix 8-49-1 422 " 3528
8/21-

4743 B403/A1-1-4-5 Sel 423 " 1068
8/26
un' heading
Too much N.D.

4744 424 " 1067
- 8/25

gold hulls, sl earlier than 65t, grains appear

4745 C.I. 7338 517 Scented
8/9 - 8/20 1145

Rougher as to mat.

4746 Delitus 518
8/3 - 8/15 306

very tall

4747 B322B47-12 519 R x F
8/11 - 8/23 4435

Ym, a very big plot, grain more slender than BBT, clean straw

4748 B46-4248-1-12-3-3 520 BBT. Sol
8/12 - 8/27 1089

dec, material available from other sources.

4749 BBT type Roque 521 from T.P.R.SBR
7/20 - 8/31 1070

non-former mat. of Del.

4750 B49-4659 522 BBT 50 Sol
8/12 - 8/28 4411

*Rather tall & leafy, segn. grain type
6th row is late spl. apex*

4751 B49-4627 523 BBT Sol
8/15 - 8/23 1117

4752 B45-2379-6-1-1-2 524 "
July 5 row 1116
8/14 - 8/26

*panicles saved from 1 row looked like good BBT grain
4th row from north taller*

may have been some reg. between rows for
grain length and breadth.

4753 B49-4622-1 617 BBT Sel.
 8/12 - 8/24 1114
 longer gr. than BBT, other same, BBT
 discarded
 4754 B433A2-6-10-2-1-2 618 B44-3299X(R-SBRxBEV)
 8/12 - 8/28 2409

HW

longer leaves, 2nd. P. growth habit

4755 B457A 1-11 619 BBT x 8975
 8/13 - 8/28 4669

almost as short straw as 4510A1-25m F. Plts
 on each panicle. grow along side other straws
 " 620 "

4756 8/5 - 8/16 4663

shorter than BBT, about a BBT type
landed short straw

4757 B45-2442-28-6 621 RN Sel
 - 8/24 291

Heavily +, disease +.

4758 8975 Sel 622
 8/12 - 8/25 4677

grow too thick, too tall
 v. good for 80'

4759 B48-3016 623 89 RN Sel
 8/30 295

Tall disc

B4544A1-1-1, R-7689X 8975

4760 ~~BBT~~ Sel 624
 only 5 rows 4884
 8/1 - 8/23

family more open & more drooping
 than BBT v. good grain longer sturdy straw
 considerable leaf drying. Watch

Parasites rather short, and considerable sterility
stronger types.

Stockdick Midseas. 717

4761

- 8/6

4825

HO-421-2-1-1

718

TP x B3812A

4762

8/18 -

8/30

6007

a fairly good B&B type, V green, V. clean
leaves & stems, cut snow for yield tests,
clean for H.O.

HO-4-2-1-2

719

TP49 x "

4763

8/12 -

8/23

5835

HO-114-3-1-1

720

"

4764

5899

med. gr. rough, threshes extremely easy,
has a systemically sturdy straw, also
V. short clean for H.O. straw

HO-116-1-1-1

721

"

4765

8/24

5903

HO-119

722

"

4766

8/10 -

8/22

5905

light TP49 type of B&B mid, V. big grain yield
& good heads. Not as tall as B&B & possibly
not as tall as B&B 50, has except. large stems.

HO-341-1-1-1

723

"

4767

8/12

8/23

5965

Exceptionally heavy infection of leaves & many
V. clean for H.O. in susceptible.
End of mid long groups & start of mid mid

4768

Blank

not very productive; rather large stems
 poor tillering. Head fairly soft,
 some loss of type plants.
 Highly R to H.O. on 10/22
 Has very heads - straw heads.
 As grain types; grow in first
 trial to see whether long head
 would be an advantage under
 long sowing rates and long fertility treatment,
 fairly good tillering. A promising type.

Has one row

one or 2 head for H.O. but poor grain
 character. Too tall, long head, tending
 to lodge, but large stems, bending at
 1st node.

Start of mid med-green
✓ 4769 Guneki' 125
- 8/24 319
v. uni heading

4770 B47-4393-11-1 126 Glut Natl Cr.
- 8/22 - 8/30 2381
v. uni heading
purple hulls, smooth

✓ 4771 B47-4394-18-2 127
2365 "

4772 B47-4385-87-3-1 128
9/25 - 1228 "

4773 B47-4393-11-1 129
8/23 segs 1227
Seg. mat
4th & 6th rows heading + earliest "

✓ 4774 Hyb Mix-11-47-4-1-2-1 130 E. Sh. Gr. Bulk.
- 8/24 2159
almost a med-green, or greenish or green
fairly short straw, with further trial

4775 Hyb Mix 11-47-2-2-2-2 131
- 8/26 2157
uni heading "

✓ 4776 unknown 132
Hyb Mix 2153 to 2200
3 rows

late - later than BK, almost as
late as Rex, short straw
easily threshed, v. hairy

glut in field mice

Harvested to mill for a cooking test.

glut

glut,
Doe except, short straw,

glut
in field mice

4777

Hyb Mix 11-49-10-2225
2188

E. Sh. G. Bulk.

Too tall

4778

Hyb Mix 11-49-18-1 226
8/23 - 2193

"

Too tall

4779

" 11-49-19-5 227
2198

"

Presch the same as 4776 Same then too

4780

" 11-47-1-2 228
- 8/28 1174

"

✓ uniform heading

4781

" 11-47-11-1-2 229
- 8/25 2170

"

Has Haploid in grassy plant present

4782

" 11-47-11-3 230
2178

"

4783

" 11-47-11-3 231
2183

"

✓ 4784

" 11-47-11-3 232
2186

"

brown

4785

Hyb Mix-12-47-6-1 325 late Sh-Gn Bulk
8/23 2199

4786

" -12-47-6-2 326
8/23 1199

4787

Hyb Mix-8-47-21 327 TP x R-S BR.
8/24 - 1060

4788

B41-3282-1 328 Sm. BR.
8/6 - 320

4789

Supreme Blue Rose 329
8/19 - 8/29 322

4790

B46-3046-12-23 330 K-A x BR roque
8/22 - 8/31 1092

4791

B4325A1-493-2 331 Bruin Sel x F-R.
8/19 - 327

4792

B4325A1-76-9-3-1 332 "
2276

BR type, V easy to thresh

✓
 4793 B406 425 Fx Red
 8/31 - 323

4794 B4555A1-102-2-2-1 426 Brain Sel x 8326
 8/27 2283
 Disc.

4795 B4555A1-56-1-1-1 427
 8/15 - 8/31 2281
 Sec mat 1st 2nd 4th row later.
 with 3 rows are 527
 End of 7th medium grain
 Later start 428

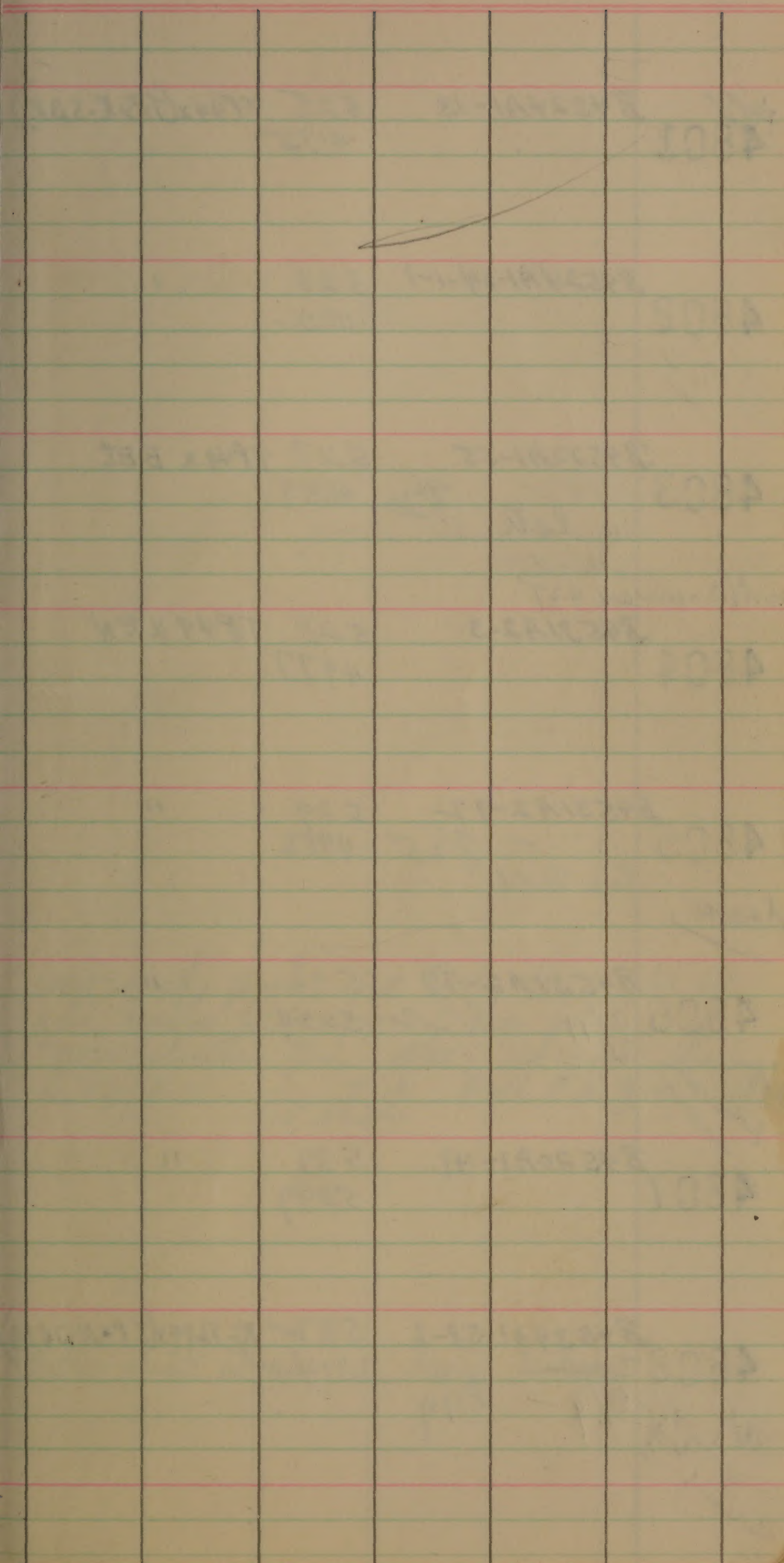
4796 B459A1-119-2-1-2 4269 Hill Sel v Remark
 late

4797 B4031A Not Cr. 429
 8/25 - 3699
 disc
 no value

4798 B4031A1-3-3 Sel 430
 9/28 - 3983
 disc taller than original ✓ later

4799 B4511A1-70-3-3 431 Hill Sel (xTPxRSBR)
 late 1111

4800 B4524A1-1- 432 TP49x (TPxRSBR)
 3 rows 4124
 8/18 -
 BB mat, v. short straw, large H.D. spike,
 seed 6 pan. 9/29
 not short straw and good grain texture



4801

B4524A1-13

525 TP49x(TPKR-SBR)
4175

4802

B4524A1-24-1-1

526
1122

4803

B4522A1-55

527 TP49x BBT
4639

with 3 more are 427

4804

B4531A2-3

528 TP49xRN
4977

4805

B4531A2-92

529
4983

dec

4806

B4531A2-77

530
5044

HR
now

4807

B4520A1-41

531
5049

4808

B4534A1-58-6

532 R-7689x(TPKR-768)
314

3 rows

8/9 - 8/19

BBT grad, prob... no tally than BBT 50
 gold mulls, v. uniform. Very light
 grain shorter than BBT, let finer than
 Ant & Riv Watch Prob R N grain type

Rather short than, v. long leaders

4809

B4535A1-29-6-1

8/26 -

625 R-7689 x BBT

1099

4810

B4541A1-49

8/30

626 R-7689 x TP49

5125

short straw

4811

B4541A1-13

8/12 - 8/22

627

"

5129

v. long gr, wk at 1st joint

4812

B4541A1-14

8/20 - 8/30

628

"

5132

leaf drying

4813

B4541A1-13

8/27 -

629

"

5128

too tall v. long gr and
v. long sheath, should be high yielding

4814

B4544A1-27-1-3

630

R-7689 x 8975

fate 1195

v. short straw, hd too short,
p. wh have this in yield more.

4815

B4530A1-49-1

631

TP49 x Hill Med

1062

v. short straw, fate

4816

B48-6420-1

~~B4864~~

3 rows

632

Rexoro Sel

350

Seed shortest & earliest row

semi drooping flag.

grows in adn. yield more. Is
about TP maturity, upright flags.
consist leaf dry, v slender grain
I apparent gold texture

✓ 4817 Rexoro Sel 725 1148 Boyt-6

✓ 4818 B49-5849 726 5281 Rexoro (N.I.R.)
appears to be C.A. resistant

4819 B44-2402-37-3 727 308 Patna Sol.
2/12 - 8/23
no value

4820 Texas Patna Sel 728 Nd Row #1
TP Nd Row #1

4821 B42-280-1-3 729 5306 T. Patna Sol

4822 B46-2069 730 5310 "

4823 B46-2068 731 5314 "

✓ 4824 B324B49-6 732 5317 R x 5094
Browns

4825

B324B 49-10

133

Rx 5094

5324

Heavier straw than TP, no C.O. Drought.
 TP met, straw stays green. Watch in
 1953, maybe much better than TP.

4826

B50-6372

134

TP49 Sel

5332

4827

B4033A 4-47-15

135

TPx R-7689

8/31

313

4828

B4545A 1-9

136

TPx Hill Med

5419

4829

B4545A 2-2

137

"

5438

4830

B46-2069-5-5-3

138

Dwarf T.P. Sel

1209

4831

B4545A 2-3-2-1-1

139

TPx Hill Med

5459

4832

"

140

"

5459

Is quite clean for H.O. grain is
finer than T.P., may be sl. shorter than
Karoo. Check carefully in 1953.

4833	B4545A2-3-2-1-2	233 5461	TP x Hill Med
4834	B4545A2-3-2-4-2	234 5467	"
4835	B4540A1-3	235 5479	R-7689 x Hill Med
4836	B4552A1-18	236 5483	TP x R-7689
4837	B4552A1-12	237 5496	"
4838	B4552A1-15 8/26 - Too tall	238 5505	"
4839	" <u>Disc</u> Too tall	239 5511	"
4840	B4527A1-12 8/23 - <u>Disc</u>	240 5514	TP49 x Rexoro

4841

HV

B4527A1-48

333 TP49 x Rexoro

5524

Rather short stem

between TP49 + Rex for green
not too vigorous

B4527A1-27

334

"

5532

Too tall

4842

4843

HO-91-2-3

335

TP49 x B3812A

5703

Too tall

dramatic leaf habit like TP49

HO-14-1-1-1

336

"

4844

5945

Disc'

4845

HO-91-2-1

337

"

1175

Too tall

dramatic leaf habit like TP49

HO-444-2-2

338

TP x B3812A

4846

1176

4847

B46-2066

339

R x 7689

5151

4848

B46-2053-14-1-1

340

"

8/28 -

1180

4849

B48-2054-8-1

433
1178

R x 7689

3rd row reg mid slot

4850

B43-280-1-3-1-1

8/12 - 8/22

434
1206

T. Patna Sel

4851

B43-280-1-3-3-1

435
1208

"

4852

B3412B41-1

8/29

436
5243

Ca x R

✓4853

B3412B41-1-2-1

437
1181

"

✓4854

B343B47-18-3-1

438
1204

N x K.

like 4856

✓4855

B343B47-18

- 8/26

439
5197

N x K

✓4856

-8

440
1143

"

late

4857 B49-504 533 RxD
5244
8/29-

4858 B47-4893-11-2 534 Blut. Nat'l/Cr.
2383
8/28-

4859 B47-4980-3 535 Korang-seran,
5365
Kor

4860 B47-4980-5 536 "
5378
Kor

4861 B47-4963-14 537 "
5392
Kor

4862 B47-4963-6-1-1 538 11
1235

4863

539

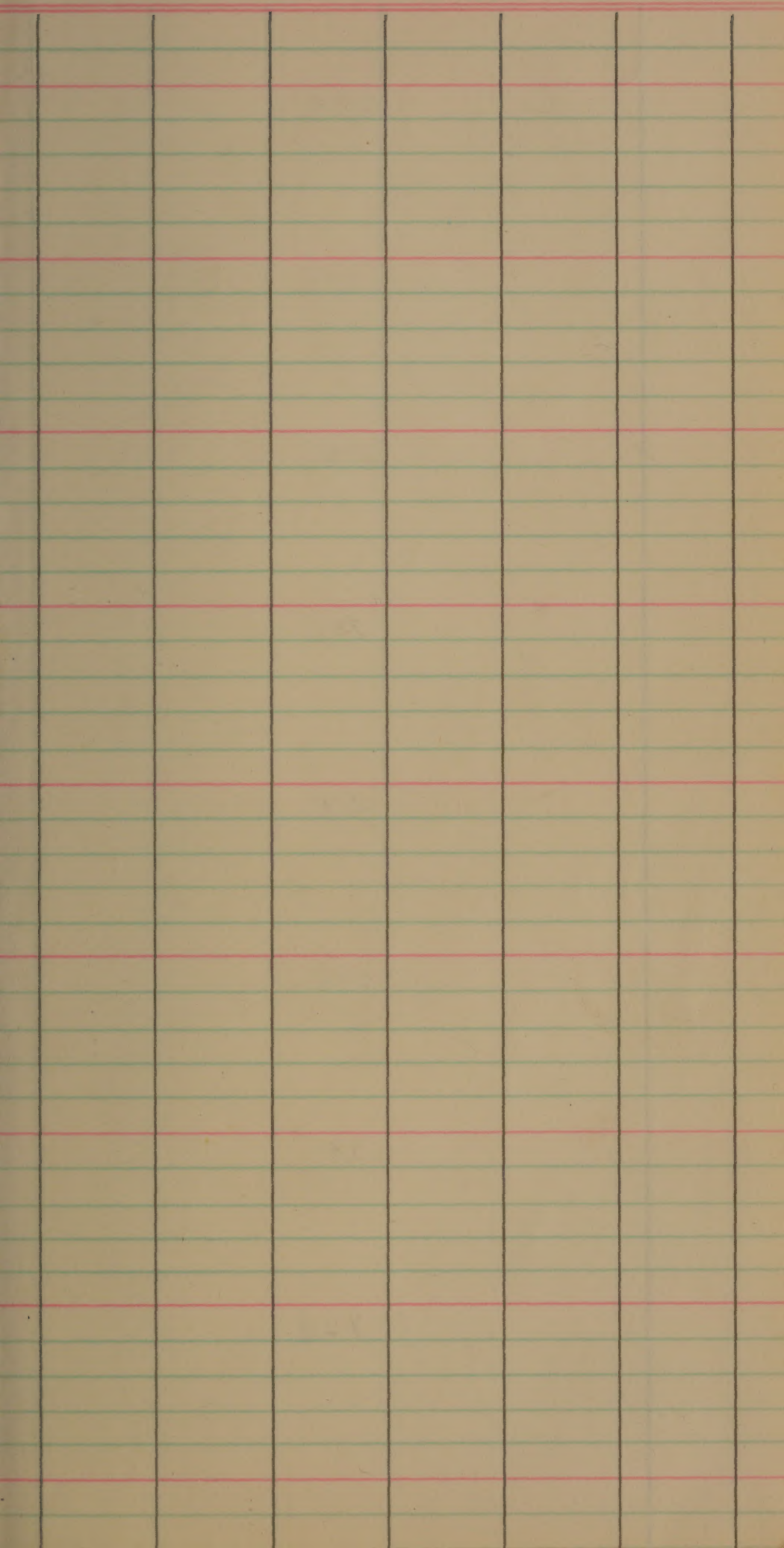
540

Tall, gold hulls smooth g. about as
long & full as original. (late)

Like 4859 but sl. taller, straw hulls
(maybe sl. earlier) grain prob longer

Short straw, latest, gold hulls,
grain smallest of 3 strains

like 4861



727

728

729

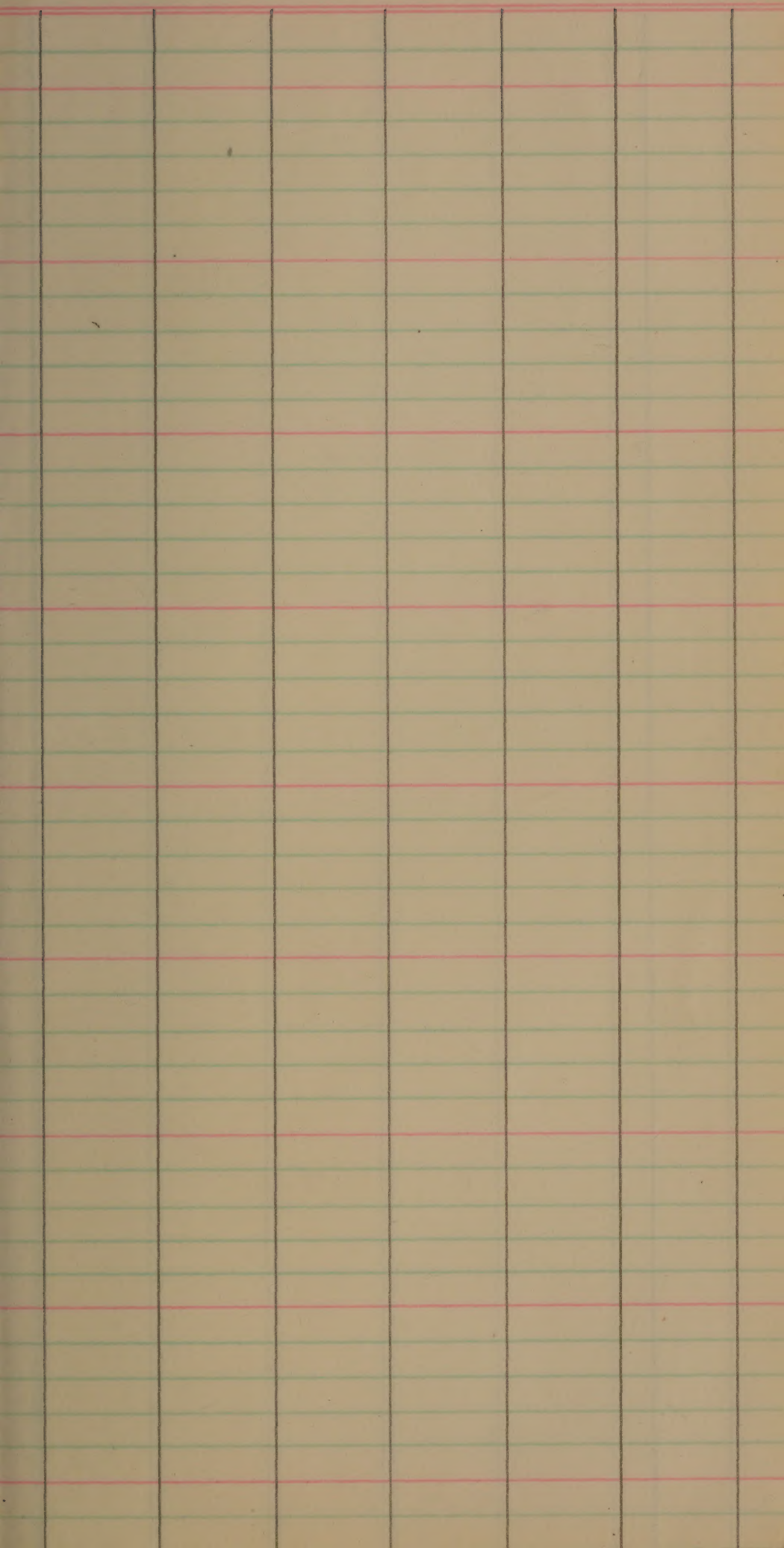
730

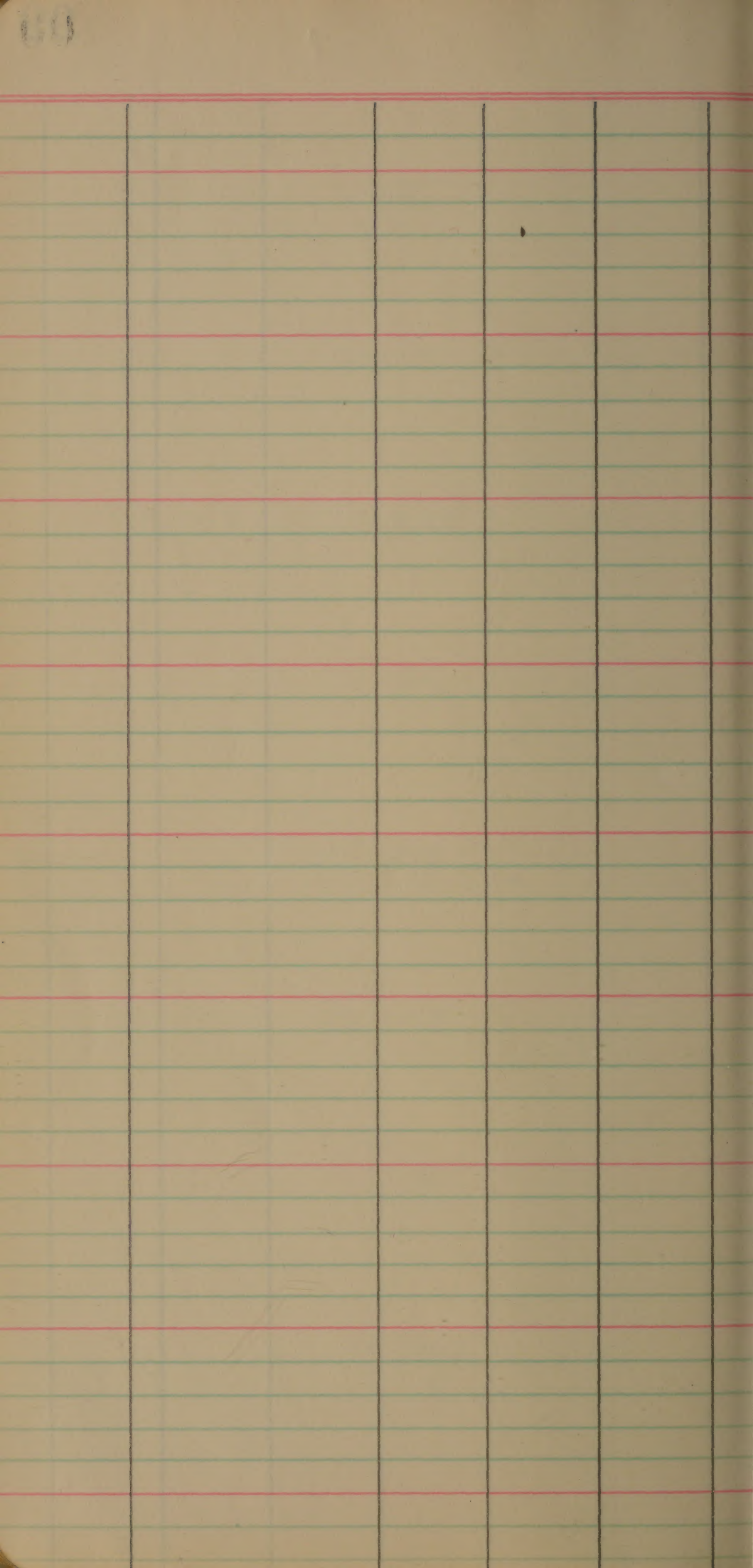
731

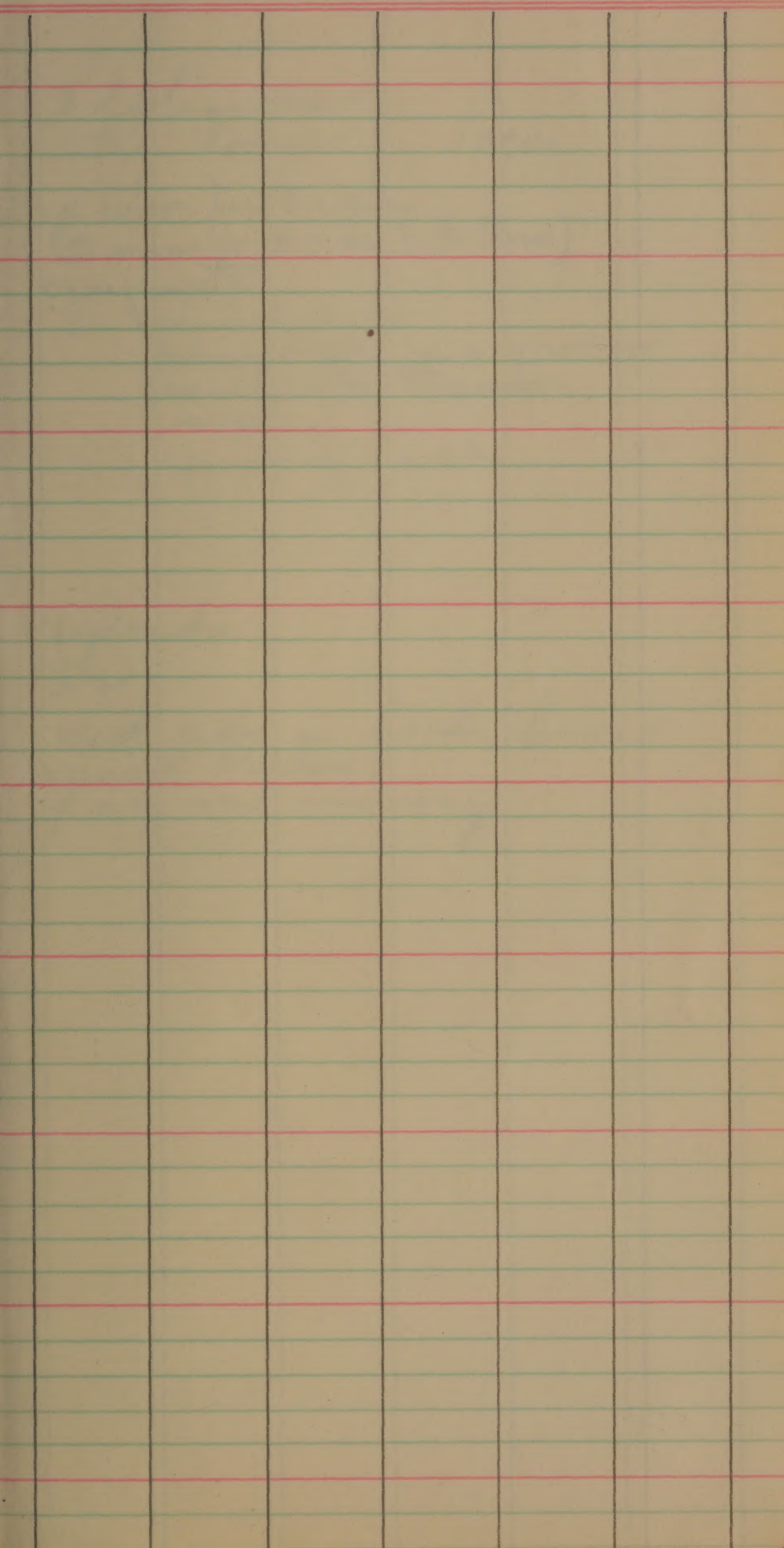
732

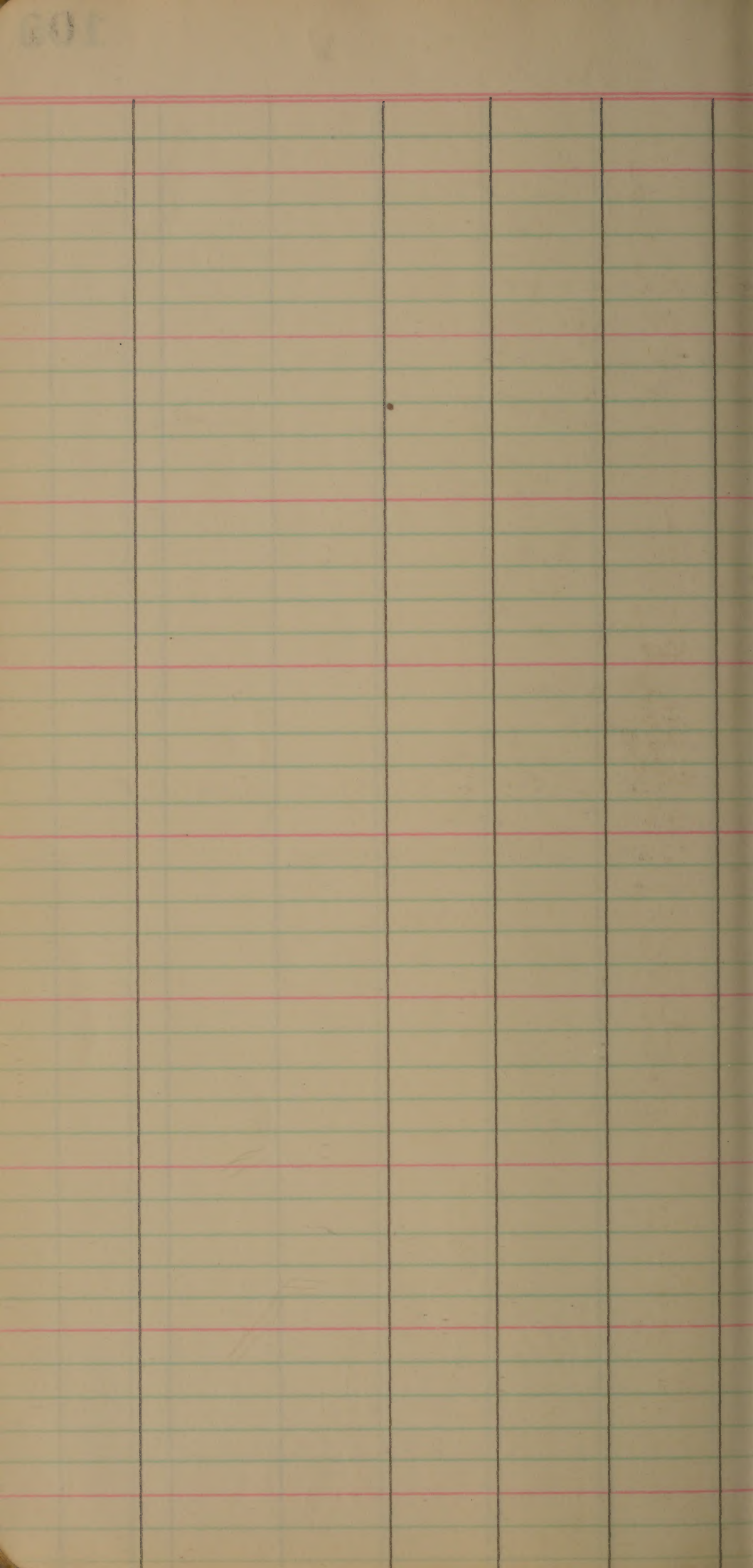
733

734









2 laborers
extra labor

1000.

large labor for crossing
(2 men for 6 wks, 1 1/2 times)
equipment.

shaking device
dehumidifier for seed room
conditioning chamber
scales
fanning mill

uplands
for

wild birds on border lines
mixed bluffs,
p m and nursery

To Cross for Ho

resistance,

consider the following

4167 (Bkt type)

4171 acct good grain type
+ excellent Ho. note.

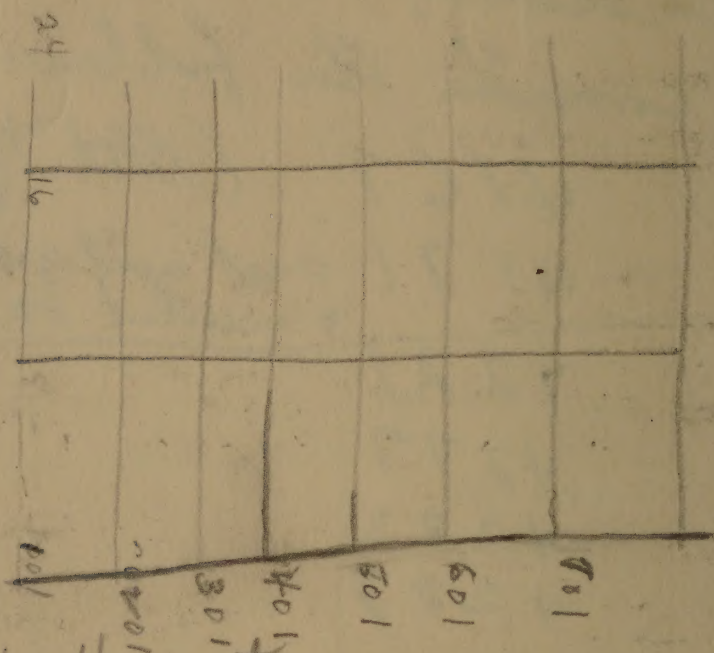
4221

4277

4283

4287

show Todd 4708 - 10 lines,
good for HO,



Row to Harvest

4641

~~also 4676~~

~~4654~~

~~6th row for W. To Saw for Folds~~

~~4655~~

4667

4678 Hr. all rows.

4692

4695

4705 for first truck.

4708 - Use in Crossing prog.

4715 - Hr 6th row Hr 9/29

4810

Examine 4185 + 87 for
crossing with Ant, BBT + TP.
4171 (5735-1)

Cross (4604) with Zenith for
a smooth length type.

4629 } reduced leaf area types
4082 } cut back on 8/28 for Crossing

3617 Haploid plant.

4604 good to cross with Z.

4643 Has exceptionally long heads

4645 for Todd.

1952

Book 3

Breeding Nursery

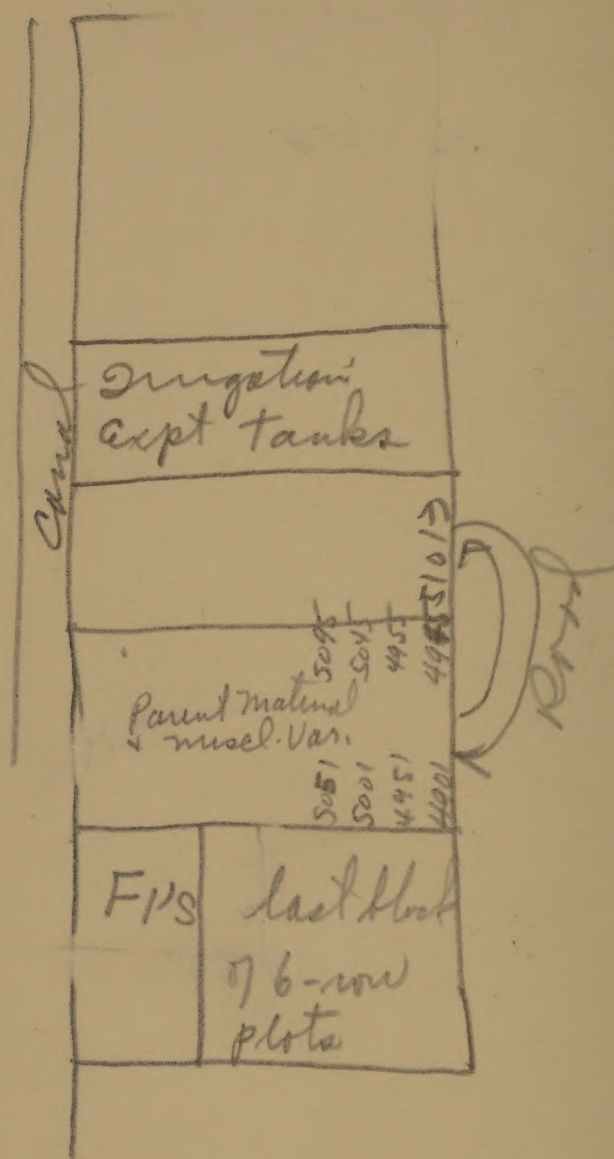
U. S. DEPARTMENT OF AGRICULTURE

BUREAU OF PLANT INDUSTRY, SOILS
AND AGRICULTURAL ENGINEERING

CEREAL CROPS AND DISEASES

AGRONOMIC NOTES

Location



Salt water block on
 South rather than on
 down above
 down main, 1952

disease rows 17 & 14 from
 north of 1st block are
 mixed due to stoppage
 of dull spout.

7 { 4th tier are
 9 { segs. for albino
 character.

SAMPLE PAGE

VARIETAL TEST OF OATS, 1908

CONDITIONS OF EXPERIMENT

PLOT

Location.....Field H.

Size.....1/20 acre.

SOIL

Kind.....Prairie loam.

Position.....Somewhat rolling.

Previous crop.....Corn.

NAME AND CONDITION OF MACHINERY

Plow.....

Disk.....Osborn.....Sharp.

Harrow.....U Bar.....Good.

Seeder.....Monitor.....Good.

SEED

Variety.....Variable.

Weight per bushel.....Variable.

Source.....Variable.

Treatment.....Fanned clean and treated for smut.

SEED BED

Preparation :

1. Disked (lapped half).....4-6-'08.

2. Disked (lapped half).....4-10-'08.

3. Harrowed.....4-10-'08.

4. Harrowed.....4-27-'08.

5. Seeded.....4-27-'08.

6. Harrowed.....4-27-'08.

SEEDING

Manner.....Drilled.

Date.....4-27-'08.

Rate.....3 bushels per acre by weight.

TEST OF _____, 19_____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation:

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

SEEDING

Manner_____

Date_____

Rate_____

TEST OF _____, 19____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation:

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

SEEDING

Manner_____

Date_____

Rate_____

TEST OF _____, 19_____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation:

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

SEEDING

Manner_____

Date_____

Rate_____

TEST OF _____, 19____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation:

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

SEEDING

Manner_____

Date_____

Rate_____

TEST OF _____, 19____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation:

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

SEEDING

Manner_____

Date_____

Rate_____

TEST OF _____, 19_____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation:

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

SEEDING

Manner_____

Date_____

Rate_____

TEST OF _____, 19____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation :

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

SEEDING

Manner_____

Date_____

Rate_____

TEST OF _____, 19_____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation:

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

SEEDING

Manner_____

Date_____

Rate_____

6850 is gold rough, 6849 is straw smooth

F2 Populations (1½ blocks)

B505A1 O/K
Cent x 6850.
all gold, seg. rough & smooth

✓

6327-1
4 rows
29 gms

" A2

6327-2
8 rows
60 gms

all gold, seg. rough & smooth

" A3

6327-3
5 rows
42 gms

S67A

506A Cent x 6849 check later
Straw F,
~~Cent x 6849 or Cent x B505A~~

6328-1
2 rows
20 gms

Straw Plant

Is all straw + smooth, Has Cent,
character, but no golds, checks in 1953
possibly a straw Cent x 6849?

Sown May

1

are just south of Magnolia Foundation

These populations were carefully checked on 11/3/52 and the
identity of the various crosses were thought to be reasonably
well established and are shown in this list. WMB

5

not a cross
all gold & smooth

6328-2

1 row
5 gms

6

not a cross
all gold & smooth

6328-3

1 row
9 gms

7 503A BBT x 2

standing v. well on $1\frac{1}{3}$

all strain, Segs rough & smooth

6329-1

4 rows
34 gms

Saved long - gr. types

8 501A BBT x 40

all smooth, Segs. gold & strain

6330-1

3 rows
29 gms

This population shows chlorotic plants
ratio

standing v. well on $1\frac{1}{3}$

30W - 220 gms

24W 237

24 230

78 - 687

78 - 687
11765

9 504 (4012) 6330-3
 Is all straw, + is lodged 3 rows
 in 1/3, all smooth, 29 gms.
 May be Bkt parent

10 508A Bkt x 6849 (H010) 6331-2
 5 rows
 44 gms.
 all smooth, all straw.

11 6331-1
 4 rows
 34 gms

12 507A 6332-1
 Bkt x 6850 (H0-12) 3 rows
 Segs straw + gold, rough + smooth 21 gms
 South side
 1st block

51 126.
 43 151
 24 w. - 79 gms
 118
 356
 118
 4474
 118.

13

504A

(B433A(B41-3299X

R-SBR x BRW)

6333-1

6 rows

50 gms

with sides

of south black

203 Smith x gold, Zenith
Sign. rough & smooth, gold & straw

14

502A

BBR x Century

6334-2

4 rows

34 gms

all smooth, Sign. gold & straw

15

Century

6334-3

5 rows

44 gms.

11

Start ~~Cross~~ Century 231 and
Zenith in alternate rows.

F_2 Salt tolerant populations
 Low 20 rows of each
 Zenith x 8906 20 rows
 BBT x 8906 20 rows
 BBT parent
 Zenith Parent
 8906 parent
 15 foreign introductions
 Cuban Variety
 C.I. 8905
 C.I. 8906

F_2 Sels

8906 x Rex = 35

42

1 BBT = 13

90

✓ = harvested 12/10/52

Parent material + mod

1950 Cress

4901	✓ Ricco, (salt water parent)	6302
------	---------------------------------	------

4902		"
------	--	---

4903	✓ B50-6849	6303
------	------------	------

4904		"
------	--	---

4905		"
------	--	---

4906	✓ B10-6850	6304
------	------------	------

4907	"	"
------	---	---

4908	CI-8900	6305
------	---------	------

6305

4909

" ✓ Salt Water Var CI-8906 4910

6306 ✓

4911

"

4912

"

4913

6307

CD-8906

4914

"

4915

"

4916

4917	CI 8906	6307
------	---------	------

4918	"	"
------	---	---

4919	Zenith Parent, 7 Cross with self water var.	6308
------	--	------

4920		"
------	--	---

4921		"
------	--	---

4922		"
------	--	---

4923		6308 wgs
------	--	-------------

4924	✓	"
------	---	---

308/rogue

4925

✓ 4926

4927

4928

4929

Zenith Rogue

✓ 4930

4931

4932

4933

6308
roque

4934

6309

4935

"

4936 ✓

"

4937

"

4938 ✓

"

4939

"

4940 ✓ CI 8906

6310

6310

CD-8906

4941

11

4942

11

4943

11

✓ 4944

6311

Zenith Parent

✓

4945

11

4951

11

11

4952

11

4953

4954	BBT parent	6312
------	------------	------

4955		"
------	--	---

4956	✓	"
------	---	---

4957	✓	"
------	---	---

4958	CT. 8906	6313
------	----------	------

4959		"
------	--	---

4960	✓	"
------	---	---

4961	✓	"
------	---	---

6314

Rerow

4962

11

4963

11

4964

6319

Zerth

4965

11

4966

11

"

✓

4967

11

✓

4968

6320

4969

4970	✓ Century parent 1950 Cresses	6320
------	----------------------------------	------

4971	✓	"
------	---	---

4972	✓	"
------	---	---

4973	✓ BB parent 1950 Cresses	6321
------	-----------------------------	------

4974	✓	"
------	---	---

4975	✓	"
------	---	---

4976	✓	6322
------	---	------

4977	✓	"
------	---	---

6322	BBT parent 1950 Cross	✓	4978
------	--------------------------	---	------

6323	BBT parent 1950 Crosses		4979
------	----------------------------	--	------

"		✓	4980
---	--	---	------

"		✓	4981
---	--	---	------

6324			4982
------	--	--	------

"		✓	4983
---	--	---	------

"		✓	4984
---	--	---	------

"	Segr. grain length	✓	4985
---	--------------------	---	------

One plant in row has a Red seed coat. P

4986

6325

4987 ✓

11

4988

11

4989

6326

4990

11

5001

11

5002

11

5003

3674

3674

5004

11

5005

11

5006

11

5007

11

5008

11

5009

Bulk of Titra-like plants from Albert J. Gent

5010

5342

Crowley Large seed

✓ 5011

5012

✓

Jordan large Seed
Cane with Java Leaf

5342

5013

✓

"

5014

"

5015

"

5016

B403/A rogue
Jap type straw for Jones.

3734

5017

✓

"

5018

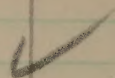
✓

"

5019

"

B403/A rague
3736



5020

"

5021

"

5022

5623 + Long grain Red,
5624

5023

2555

5024

"



5025

"

5026

"

5027

5028

2555

5029 ✓

"

5030

"

5031

"

5032

"

5033

"

5034

"

5035

"

Zenith 511A ♂ 108 seeds	5036
SPI 180,060 513A ♂ 119 seeds	5037
Century 231 513A ♀ 25 seeds	5038
T-1 (BQ) 514A ♂ 66 seeds	5039
Century 231 514A ♀ 25 seeds	5040
Century 231 515A ♀ 49 seeds	5041
51-256.7 516A ♂ 60 seeds	5042
Century 231 516A ♀ 69 seeds	5043

5044 Century 231

517A

♀

5045 "

5111A

♀

2 seeds

5051 Bluebonnet

5112A

♀

5 seeds

5052 51-3670-1

5113A

treated 12 minutes not trimmed 15 seeds
30 florets opened

5053 51-3670-2

5114A

Treated 12 minutes, not
trimmed, 36 florets opened

16 seeds

5054 51-3670-3

5115A

Treated 12 minutes, not trimmed, 25 seeds
27 florets opened.

25 seeds

5055 Century 231 (51-145A)

5116A

Do not typical Century 231
grain type, too short.

♀

23 seeds

5056 Century 231 (51-145A)

5117A

♀

17 seeds

51-3090 5116A ♂ 5118A ♂ 88 seeds	5057
Bluebonnet (51-125D) 5118A ♀ 9 seeds	5058
Bluebonnet (51-125D) 5119A ♀ 25 seeds	5059
Improved Bluebonnet (51-151C) 5120A, ♀ 14 seeds	5060
Blue Rose 5121A, ♀ 17 seeds	5061
Improved Bluebonnet (51-151C) 5123A, ♀ 8 seeds	5062
Zenith 5124A, ♀ 4 seeds	5063
51-18 B5126A, ♂ Thought to have been from same plant as used for pollen. Pollen paricle failed to set seed.	5064

5065	51-15	B5126A ♀ 4 seeds
5066	51-16	5128A ♂ 128 seeds
5067	51-15	B5128A ♀ 24 seeds
5068	51-2563	5129A ♂ 89 seeds
5069	Bluebonnet	5129A ♀ 8 seeds
5070	51-2565	5130A ♂ 127 seeds
5071	Bluebonnet	5130A ♀ 34 seeds
5072	51-2561	5131A ♂ 117 seeds

Bluebonnet 5131A ♀ 16 seeds	5073
51-2569 5132A, ♂ 65 seeds	5074
Bluebonnet 5132A, ♀ 28 seeds	5075
Bluebonnet 5134A, ♀ 19 seeds	5076
T. Patna 49 5136A 11 seeds	5077
V. tall plant V. long grain Boys' Century Field Is tall Century	✓ 5078
Cent 231 (Hd Row block) Triploid type 3 seeds	5079
B46-3046-7-1-3 Shaw-hulled rough rough maybe be F ₁ plant. (was very early threshed)	5080
Sep. Wave Cross	

- 5081 Possible Long-grain Red Rice from
B438A increase field So of China
- 5082 Tetra type Cent 231, Boyt Id. field
2 seeds
- 5083 " "
1/2 of this seed was sent to Nelson Jordan
- 5084 Cent 231, semi Luther type
from Boyt found field
- 5085 straw hull Cent Raguey from
north Cent 52 field
- 5086 semi sterile, Boyt Cent found field
1 plant.
- 5087 May be Cent x Red Rice
from Dish. Reg Cent field
- 5088 Highly sterile Cent 231, from Hd Row block
about 30 % seed set

Early sel from Bkt 50 HK block 5089

V. Early sel from Bkt 50 HK block 5090

Sel B45-15-5-10-2 (plot 121) 5091
 Panicle no. 2, Emase, not pollinated
 1 seed
 (Gold hulled)

Sel B45-15-5-10-2 (plot 121) 5092
 Panicle no. 3, ^{unmatured} not pollinated
 1 seed

B45-15-5-10-2 (plot 121) 5093
 Parent sub, panicle no. 2
 19 seeds

Tall plant from Aboheri Cent field 5094
 south of Dura, Has rough hulls
 8/2/51

V. Early plant 5095
 Boyt Cent 231, Jaund field

Boyt Cent 231, Jaund field 5101
 Abnormal panicle
 14 seeds

- 5102 ~~molte~~ straw hulled roque from
Cent 52 field, rough hulls.
Has exceptionally long heads
- 5103 Tetra types from molte
Century 231 field 3282
- 5104 Chlorotic panicle type from
2331 found field of Preston Roberts,
leaves entirely green, heads uniform whitish
appearance.
- 5105 earliest panicle in 1951 breeding
nursery. 3882
- 5106 rough roque 1010
- 5107 " 1010
- 5108 " 1010
- 5109 " 1010

1010	rough sign.	5110
1010	"	5111
1027	✓	5112
1027		5113
027		5114
		3
		5115
Start of 6 row plots, foreign introd.		
T-1 (Br. guiana) 6 row plot.		5116

5117	Introod,	180, 177	sky order no 122 ↓ 127
5118		180, 178	128 ↓ 133
5119		180, 059	134 ↓ 139
5120		180, 060	140 ↓ 145
5121		180, 061	151 156
5122		180, 121	157 ↓ 162
5123		184, 675	163 ↓ 168
5124		184, 676 a	169 ↓ 174

dog
order
no

175
↓ Intro. 184, 676 5125
80.

81
↓ Pot 96 5126
86

87 Pot 98 5127
↓
92

93
95 Pot 99 5128
01
03

104
↓ Pot 100 a 5129
Brownish gold bull
09 Brown bear.

10- Pot 100 B 5130
↓ strong bull
015 Red bear

5131

5132

Salt water block

5201 S zenith

6311

5202 " "

5203 " "

5204 " "

5205 " "

5206 " "

5207 C.F. 8906

6306-1

5208 " "

6307-1

Some Variation in
maturity

307-2	C.I. 8906				5209
307-3	"	11			5210
310-1	"	"			5211
310-2	"	11			5212
302-1	Rexoro				5213
-1	"				5214
-2	"				5215
314-1	"				5216

5217	Review	6314-2
5218	"	6314-3
5219	BBT	6321-1
5220	"	-2
5221	"	6322-1
5222	"	-3
5223	"	6323-1
5224	"	-2

Cuban

5225

"

5226

"

5227

"

5228

"

5229

"

5230

entire T-1

5231

184 675
 V. long grain, early,

5232

✓ 5233 Introd 180, 177
much like 5232

5234 " 180, 178
Rather short straw, early, a v bold
med. grain, straw hulls

5235 " 180, 059 straw hulls
Early, ~~the~~ rather short straw,
Prob. the most slender of any yet
observed to date, check this character

5236 " 180, 060
v. early, straw hulls, good 2nd
growth straw hulls

5237 " 180, 061
v. early, short straw, ~~gr~~
dark gold hulls, med-gr.
(Crossed with BBT 50)

5238 " 184, 121
early, fairly tall, Very coarse
bold grain
Crossed with BBT 50

5239 " 184, 676a
med grain (medium slender)

5240 " 184, 676
v tall long sl. gr.

Introd pot 96
E. med-gr.

5241

" pot 98
E. med-gr.

5242

" pot 99
med-gr, early

5243

" pot 100
Brownish gold hulls

5244

Bearded, midseason.

" pot 100
Red and goat
straw hulls

5245

Bearded, midseason

-3 Sele (1951 rows 6163 to 6191)
Rex 00 X 8906

5251

5252

5253

5254 *FB Sels*
Rexow x 8906

5255

5256

5257

5258

5259

5260

5261

F3 Sels
Rexox 2906

5262

5263

5264

5265

5266

5267

5268

5269

5270

F3 Sela
Ruxox 8906

5271

5272

5273

5274

5275

5276

5277

F3 Sels
Rivox 8926

5278

5279

5280

5281

5282

5283

5284

5285

5286

F3 Sela
Rexon x 8906

5287

5288

5289

5290

5291

5292

one plant

5293

very much
like Rexon

F3 sub
8906 x Rexro

5294

5295

5301

5302

5303

5304

5305

5306

5307

F3 sub
2906 x Texas

5308

5309

5310

5311

5312

5313

5314

F3 *hls*
8906 X *Reino*

5315

5316

5317

5318

5319

5320

5321

5322

5323

F3 sch
8906 x Rexor

5324

5325

5326

5327

5328

5329

5330

F3 Selz
8906 x Rucor

5331

5332

5333

F3 Selz
Blushmoot x 8906

5334

5335

5336

5337

5338

5339

5340

5341

5342

5343

5344

5345

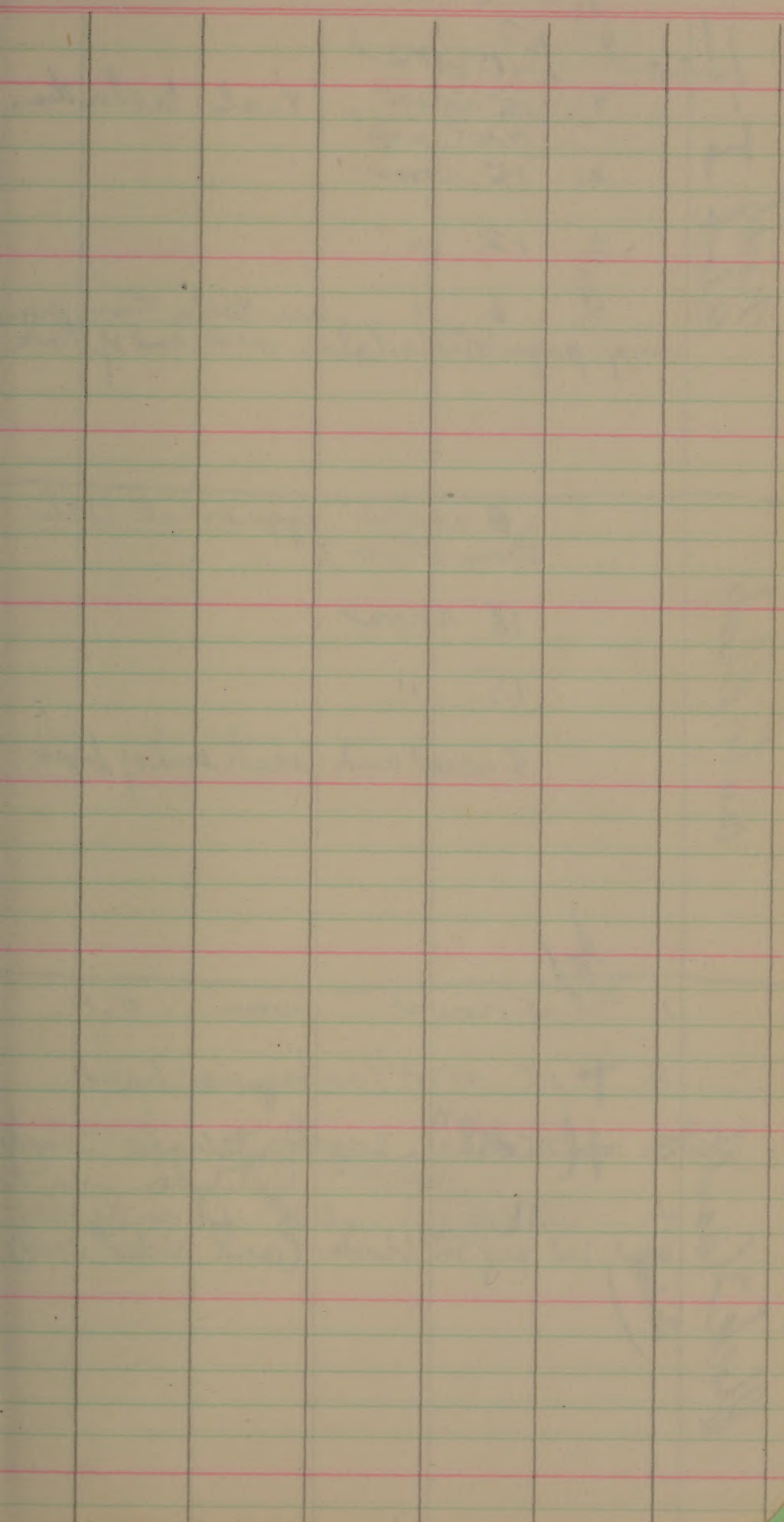
5346

F₂ Populations back of preceding
matings,

22 rows of each

BBT x 8906 on south

zenith x 8906 on north.



Records

Head Rows

North Block I

1. 15 rows, v. sl taller than next pop.
2. 15 rows
3. 12 "
4. 6 " are taller than preceding populations. (also west end of block)

center Block

1. 6 rows appear sl taller than others?
- 18 rows
- 15 "
- 8 rows and west end of block

1. ~~with~~ 3 rows green O.K.

2. + 15 rows (rather yellow leaves)

3. + (15 or 18?) rather tall for Rex ✓

4. ~~at~~ 11 (12) O.K. not as yellow as 1st pop on block. (and west end)

Block 3 (south)

when in my stage and is later than others
not very slightly

Improved BBT			
Head Row			

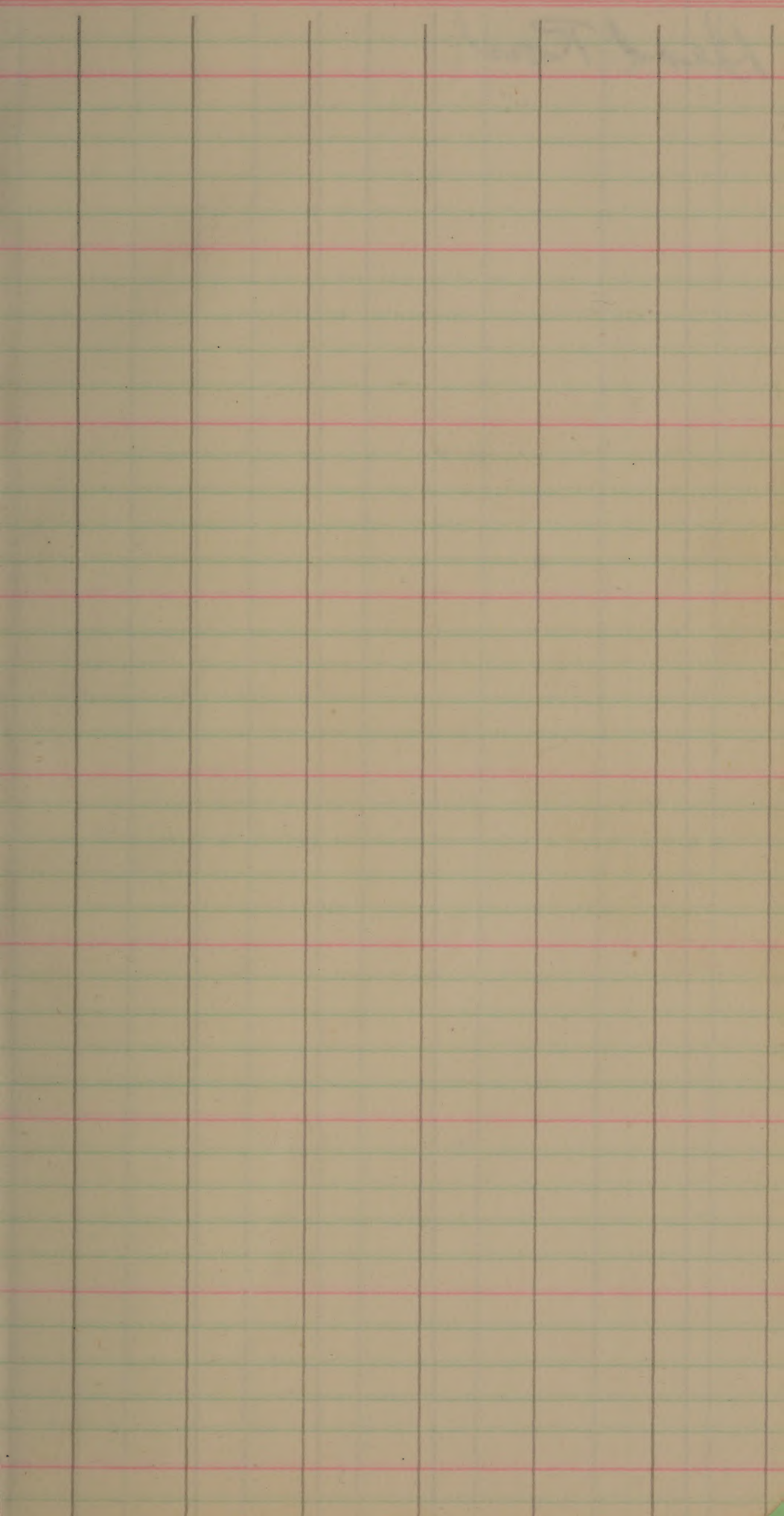
Texas Patna

Head Row

1st Block	1	12	OK
	2	12	OK
	3	12	v. sl taller than others
	4		OK

2nd Block	1	12 rows	OK. (as North)
	2	12 rows	
		This pop. is taller than others	
on 8/29	3	12 rows	OK
	4	9 rows.	
		+ this pop like 2nd.	

3rd Block / all populations appear uniform
on 8/29

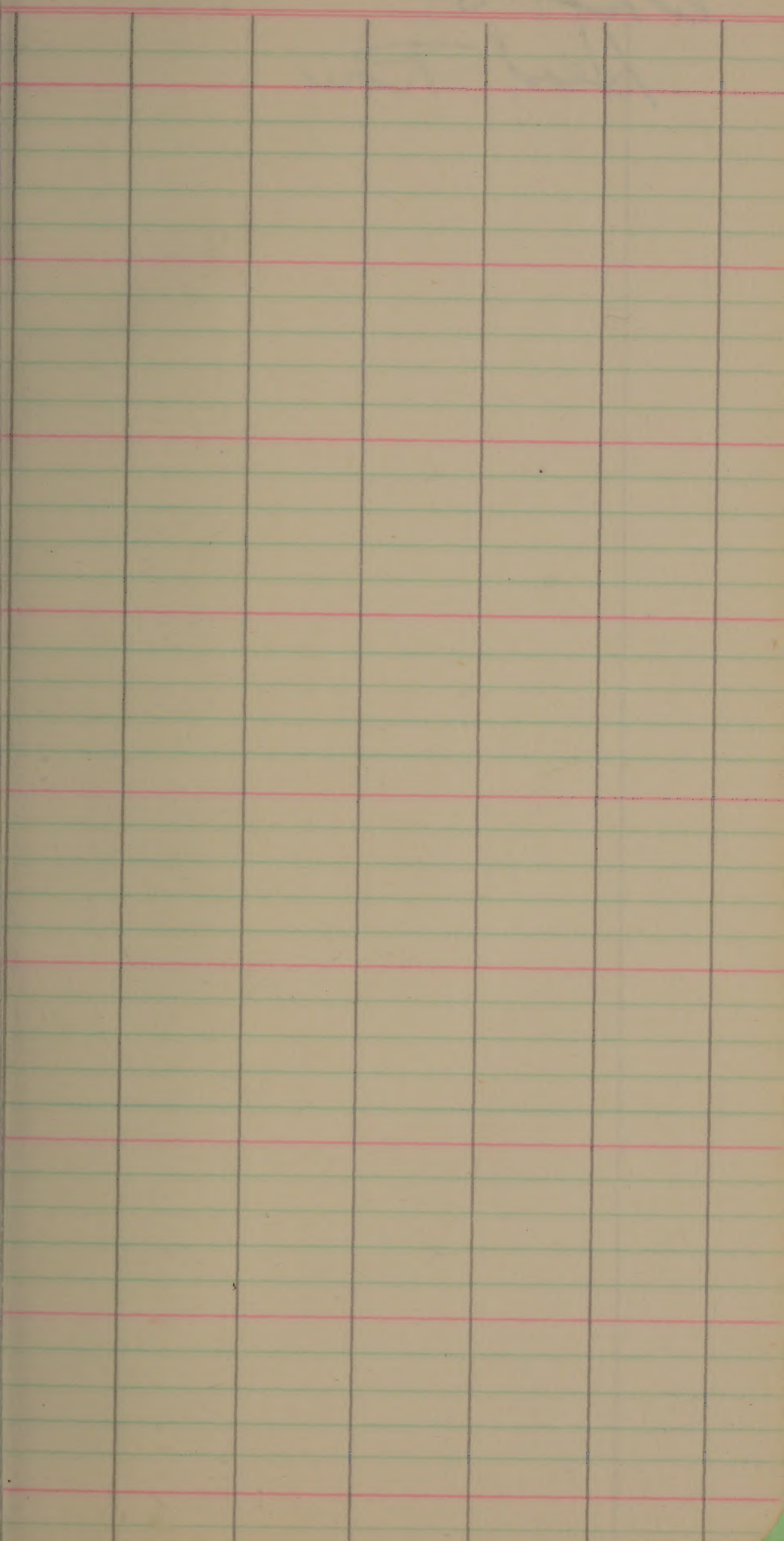


B438A

Head Row

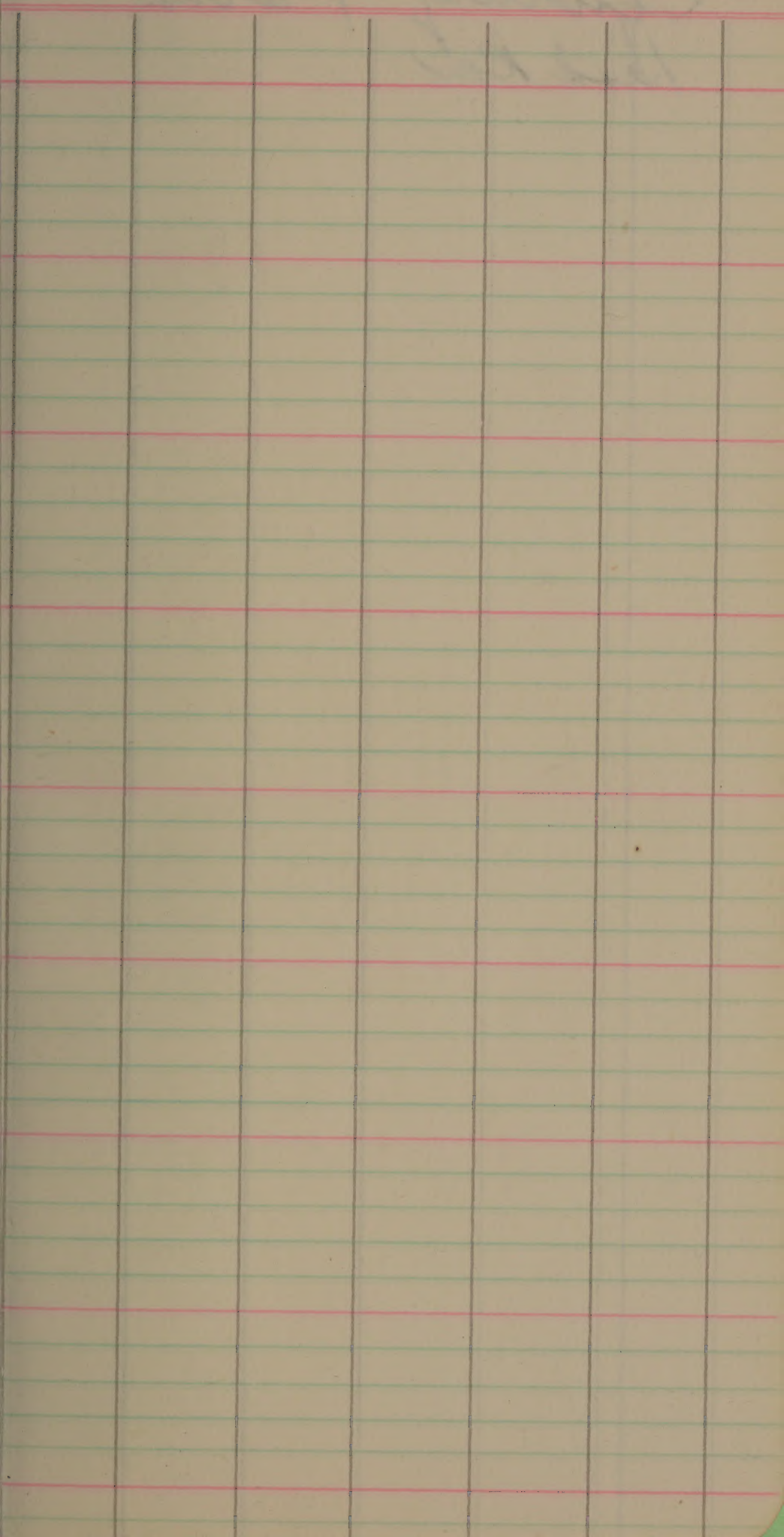
T. Patna 49

Head Row



BBt 50

Head Row



Century Pattern

Smith

Zenith
Increase Block

Certification program

List Found, Reg & art.
fields on Station and
Found fields on farms, list
under Station.

give Bonnie list of all found
& Reg seed distributed by
Station including farmers
share of foundations.

Foundation

List as Texas Rice

Improvement Association and
all tags come to Station.

Include TP 49 on Certification
standards?

Revise standards this fall
before Crane leaves.

April 28, 1953

2413

115 good to cross
with Cent for improv.
grain qual.

If this notebook is lost will finder please mail to:

U. S. DEPARTMENT OF AGRICULTURE

Bureau of Plant Industry, Soils, and
Agricultural Engineering,

Division of Cotton and Other Fiber Crops
and Diseases

Washington 25, D. C.

16-61780-1

1.5

{
Chet.
3000
2-0

SUGGESTIONS CONCERNING FIELD DATA AND NOTES

DIVISION OF COTTON AND OTHER FIBER CROPS AND DISEASES

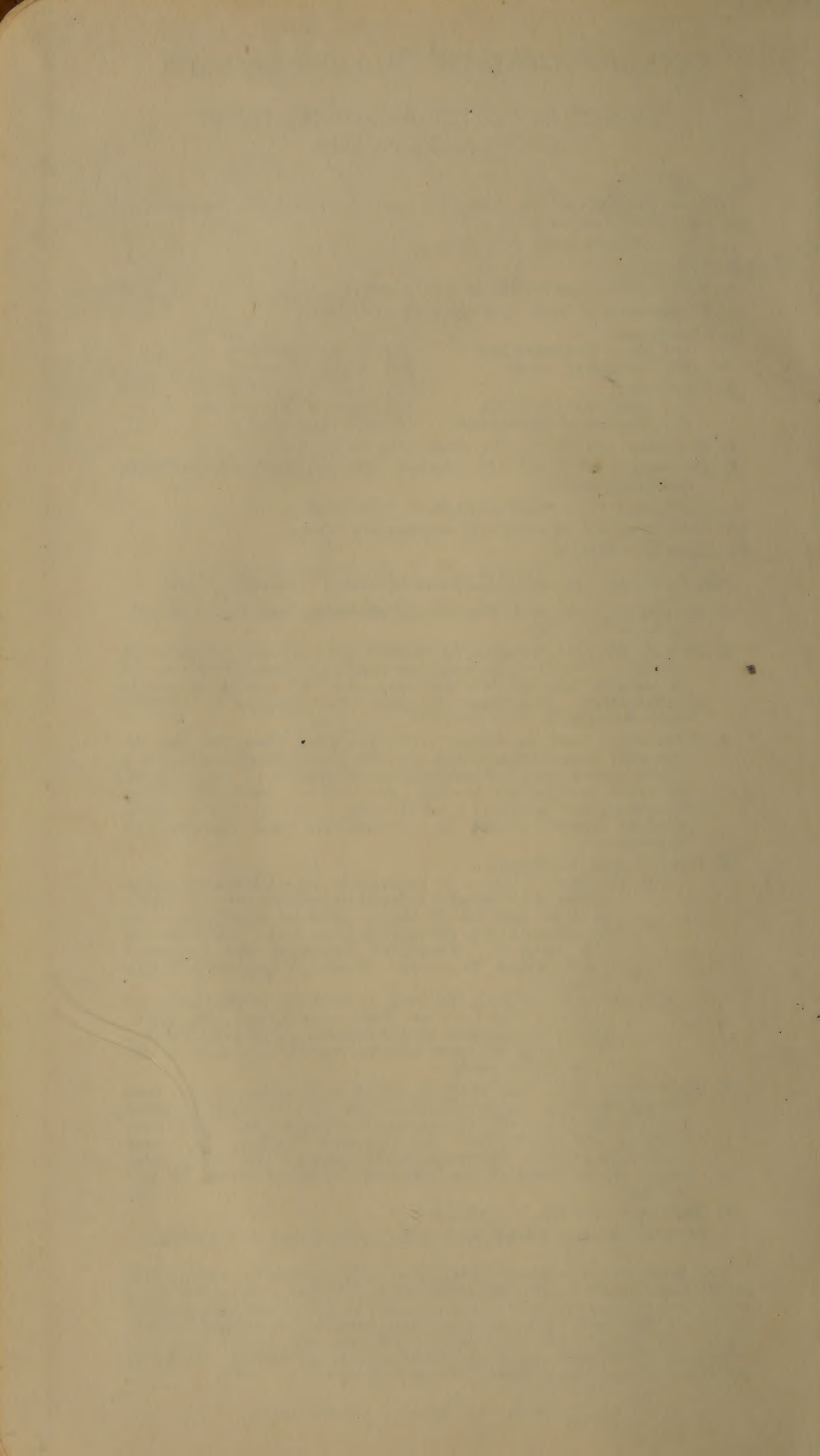
It is suggested that the following general information be recorded for each field experiment:

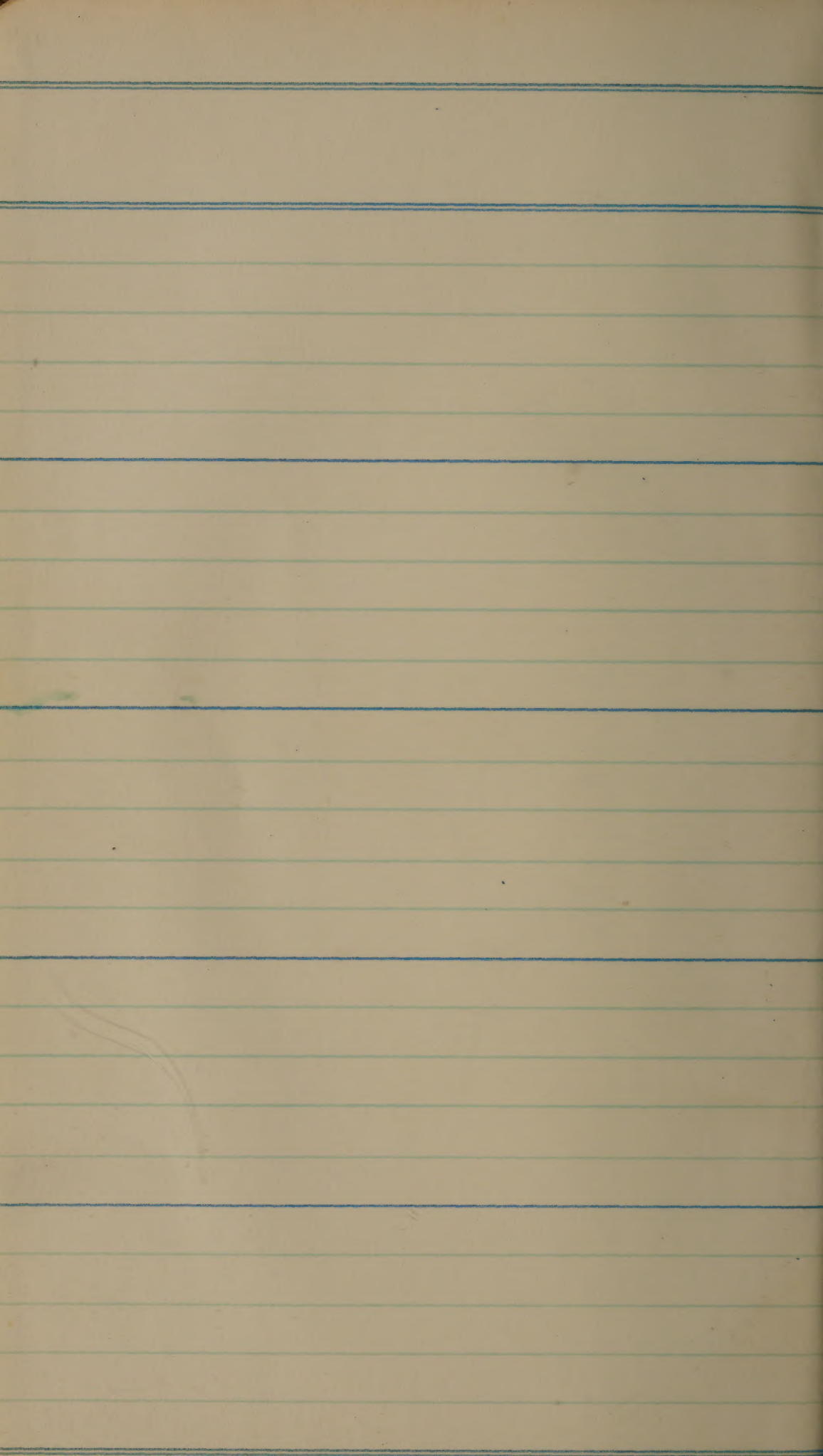
1. Name of experiment or study.
2. Soil type.
3. Previous crops and fertilizers (2 years).
4. Preparation of land: (a) Methods (b) Dates
5. Size of plot:
 - (a) Area in square feet
 - (b) Number of rows
 - (c) Length of rows
 - (d) Width of rows
6. Fertilizer:
 - (a) Pounds per acre
 - (b) Analysis (N-P-K)
 - (c) Time of application
 - (d) Method of application
 - (e) Side dressings
7. Planting: (a) Date (b) Rate (c) Method
8. Thinning: (a) Date (b) Method (c) Approximate optimum spacing attempted
9. Cultivation: (a) Implements used (b) Dates
10. Dates at which all notes and samples are taken.
11. Dates of pickings.

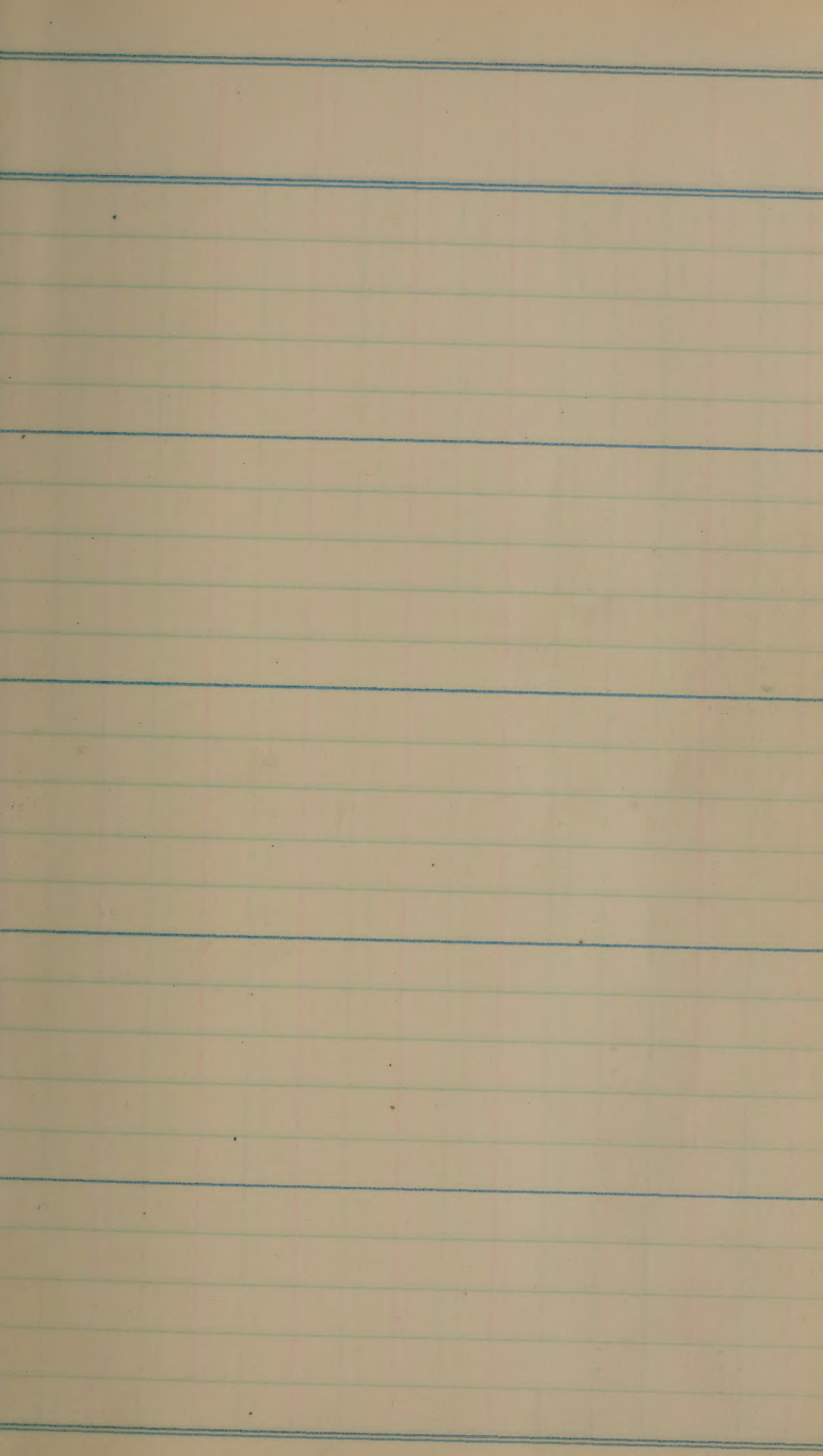
The following suggestions are made in regard to recording data:

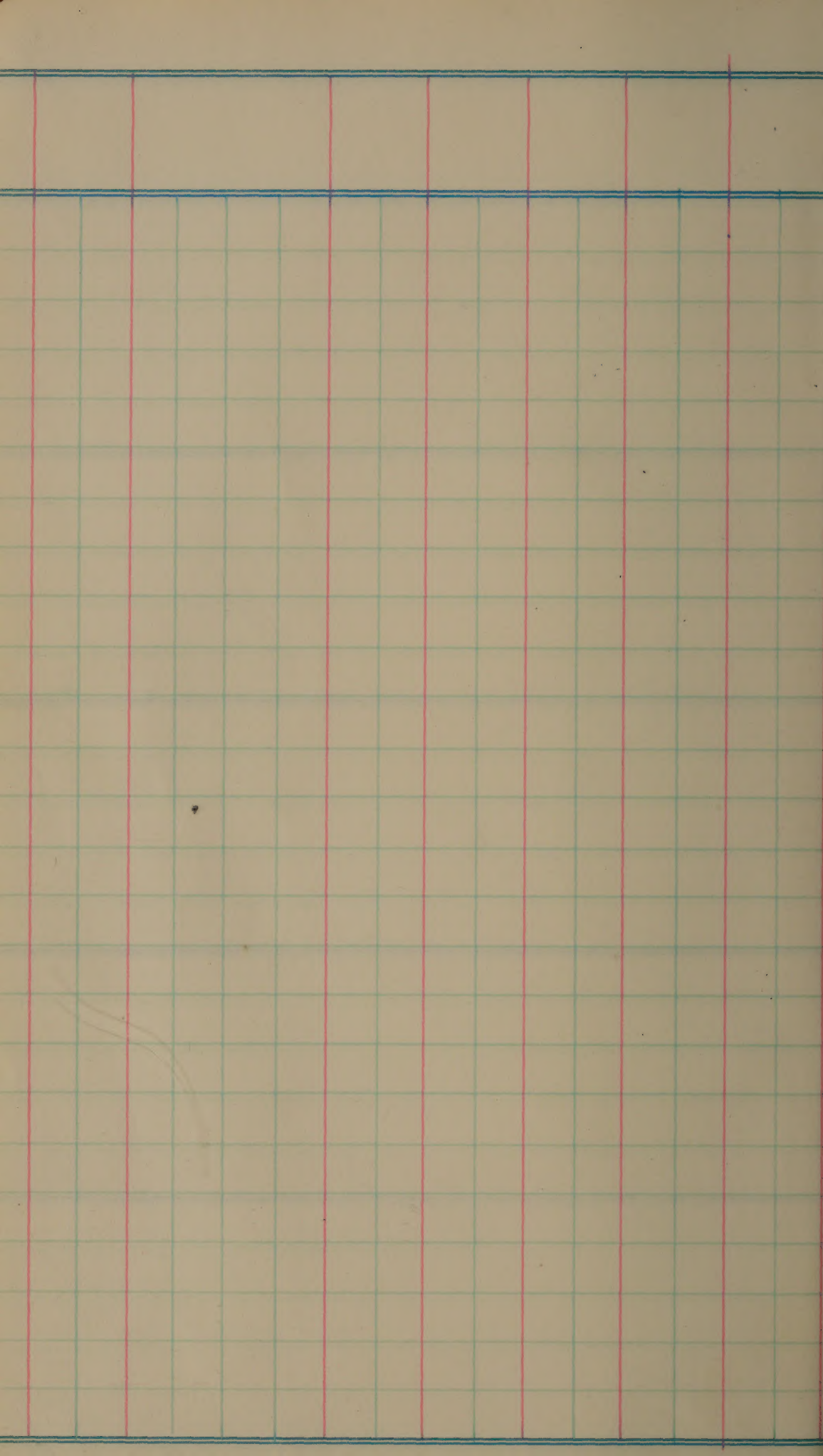
1. Record all dates as figures, giving the month and day of month, as 5/16 (May 16).
2. Record all field weights in pounds and decimal fractions of pounds. The requisite accuracy depends somewhat on the size of sample, but for ordinary size plots 0.1 pound is usually satisfactory. It is suggested that small samples be weighed more accurately (0.01 pound).
3. Estimations, such as seeding vigor, shedding, color, etc., may be recorded either numerically or with letter designations, as is found convenient; for example (seeding vigor), 1=Excellent, 2=Good, 3=Medium, 4=Fair, and 5=Poor; or E=Excellent, G=Good, M=Medium, F=Fair, and P=Poor. An explanation of legends should be recorded for each variable and experiment.
4. Diseases and insect pests.
 - (a) GENERAL.—Attack by diseases or insect pests should be recorded by suitable legends to indicate type of disease or pest, percent of plants killed or affected, and in serious attacks, estimating crop loss. For example, FW *5/35-7. (Footnote* Fusarium wilt 5 percent plants killed, 35 percent affected, 7 percent loss estimated).
 - (b) SPECIAL.—Where the book is used for taking notes on regional field tests on disease resistance, treatments, etc., it is suggested that directions which are furnished for taking uniform data be pasted, or copied, in the front of the book.
5. Diagram, to scale, the block on which each experiment is conducted, showing visible soil differences, variable plant response attributable to soil differences, drainage, or unequal irrigation, slope of land or contours, and any other features which may materially assist in interpreting the results. The square ruled paper in the front of the book may be found useful for this purpose.
6. Explain clearly all legends used.
7. Identify all experiments as to location on blocks and YEAR.

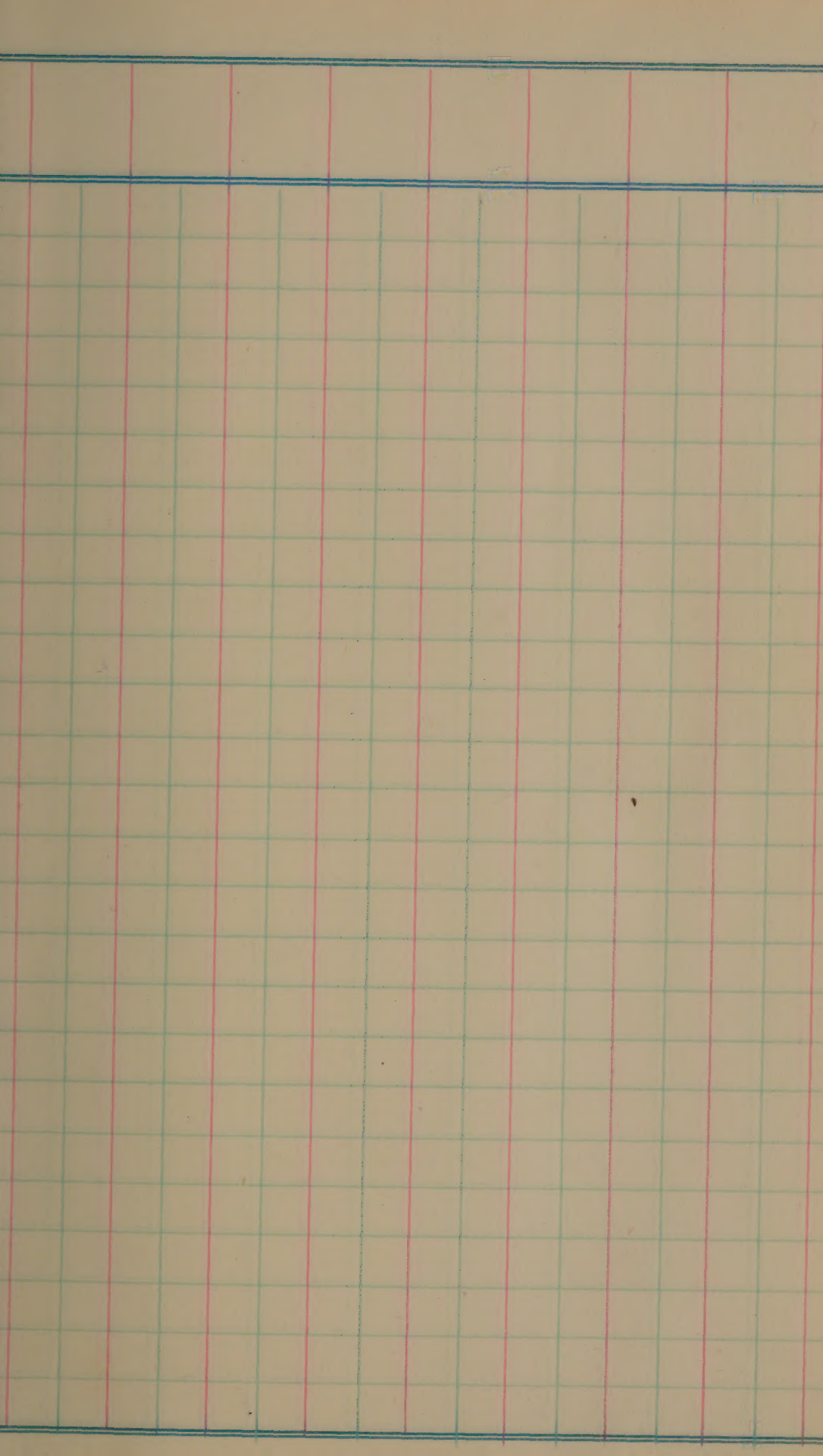
For types of experiments for which this book does not provide ample page space, larger sheets should be utilized. In taking data, which are to be reported in this book, or on larger sheets especially provided, the field or laboratory determination should be written directly at the time of weighing or otherwise determining, and submitted to Washington, or filed as the permanent record. Avoid all possible transcribing or typing of raw data.











1.

Down May 5

		Dates		Pl. HT	
		1st hd	Full Ripe		
Early maturing short and medium-grain varieties:					
Test No. 1 (uniform group)					
uni'	1	C 50-4010,	101	7/31	8/7 9/1 45
		Mag x 250-3	"		206
					311
					410
uni'	2	44C 471,	102	7/31	8/2 9/1 44
		C 2-20-26 x Mag	211	sec. for maturity	
					305
					407
uni'	3	Cody	103	7/30	8/7 9/1 (11/9) 42
		C.I. 8342	2		204
					302
					414
uni'	4	ZENITH	104	8/3	8/8 8/31 (11/8) 46
		C.I. 7787	10		209
					303
					408
uni'	5	B 45-15-5-10-2,	105	8/2	8/7 8/30 45
		Hill Med x Z.	213		
			9		309
					411

Disc

multiply by 1.5 for

HO	CO	mt Tip
----	----	-----------

2	0	0
---	---	---

①
~~the~~

3	0	0
---	---	---

①
~~the~~

8	0	0
---	---	---

6	0	T
---	---	---

8	0	T
---	---	---

Sedgely
Vigors

a number of sterile heads
Rather sparse panicle of Lacc
Weak stem, divs fast
at base

Sparse panicle
looks better than #1

V. good Excellent plot,

V. good
many sterile heads.

pounds per acre yield. 4

TWT

gms
per
Row

lbs
per
Acre

(1) 582

(2) 583

(3) 688

(4) 570

(Total) 2423 3635

592

480

569

487

2128 3192

574

587

577

598

2336 3504

60.4 69.4 44

62.1 69.9 —

60.2 68.6 44

61.7 70.1 45

684

502

647

699

2532 3798

522

463

398

450

1833 2750

6

42C403-17,

250-3x Mag.

CSIV17

106

207

301

413

8/2

~~8/2~~

8/30

47

9/1

*disc
new seed from
country**uni*

7

44C507,

R-P.h.f. x Mag

C4052

107

214

313

402

8/2

~~8/6~~

8/31

(118)

47

9/1

*This one to
7. plots if possible*

NATO

8

S4111A1-1-2-1,

EBR-BR x

Cdy * S

3

108

205

307

401

8/4

~~8/8~~

9/4

48

9/12

*disc**uni*

9

Early Prolific

C.I. 5883

4

109

201

308

404

8/4

~~8/9~~

9/3

(121)

53

9/1

uni

10

Lacross

5

110

210

314

409

8/5

~~8/12~~

9/10

(128)

49

9/12

		7	0	0
--	--	---	---	---

		6	0	0
--	--	---	---	---

		9	0	0
--	--	---	---	---

short peak plot

		6	0	0
--	--	---	---	---

		6	0	1
--	--	---	---	---

Does not appear to have the
Lacrosse type sturdy, clean
straw, good straw & grain yield
good BR grain type

feet dying straw type,
but standing O.K. on 9/12

good v. green straw, prolific
rather hard to thresh;
looks like good BR grain type

v. good

leaves dying fast and some
lodging on 9/12. Many sterile
heads.

TWT

45 571

508

555

530

2164 3246

583

677

694

740

2694 4041

555

533

504

667

2259 3389

704

733

712

754

2903 4355

59.8 71.0

49.6 61.7

54.7 65.2

55.0 64.5

458

473

560

604

2095 3143

11 *uni* B4310A1-20, 111 8/5 ~~8/9~~ 9/4 51%
 SmBR-BR41X 212
 BR41-EP 306
 406

12 *uni* Magnolia 112 8/1 ~~8/8~~ 8/29 (11/6) 48%
 C.I. 8318 208
 312
 403

13 *uni* Colusa 113 7/30 ~~8/6~~ 8/29 (11/6) 48%
 C.I. 1600 202
 310
 405

14 *uni* B45-15-1-3-5, 114 8/5 ~~8/12~~ 9/2 48%
 Hill Med x Z 203
 10/1 304
 412

Soil getting dry on 7/2

4	0	0
---	---	---

4 0 0

2 0 7

6	0	0
---	---	---

v. good many sterile heads
probs. heads sacros in this
respect, v. good straw

good

Excellent Colusa plot.

good. Is. segr. for mat.
some are 7. mat. & some
earlier, v. clean straw Is
easier to thresh than Zenith.
H. white around germ?

634

629

631

641

2535 3803

61.7 71.2

64.7 70.5

65.5 71.2

66.9 70.9

581

559

614

603

2357 3536

627

603

568

542

2340 3510

618

503

622

585

2328 3492

13

Early maturing short and medium-grain varieties.

Test no. 2

Row
 F. pl.
 * 15 B4564A2-11-4-3, 115 7/30 ~~8/6~~ 8/30 41 9/1
 Bruin Sel x Z 220 "
 18 317
 426

discy
 16 B4564A2-12-2-1-1, 116 8/1 ~~8/7~~ 8/31 44 9/1
 Bruin Sel x Z 219 "
 2092 324 (19 words)
 424 (29 words)
 #18

6-Row
 17 B4311A2-23-1-1, 117 8/1 ~~8/8~~ 8/29 45 9/1
 SmBR - BR41 x 217 "
 8323 - Z 8 325
 419

discy
 18 B45-15-1-8-6, 118 8/3 ~~8/9~~ 8/30 44 9/1
 H. 11 Sel. 215 "
 20 320
 428

F. pl.
 19 B4356A1-32-1-7-2, 119 8/1 ~~8/9~~ 8/31 43 9/1
 8326 x 8323 - Z 221 "
 22 323
 421

W.T.

6 0 0

5 0 0

77
KMG

4 0 T

8 0 1

6 0 0

Seedling
very

v. good like #2

few tall plants

has very short stem looks
much like #24 for height &
general appearance. Cross with
Z. ? appears to have excellent yield.

poor
dark green

seg. for height

Taller & fatter than #18, more
irreg. of ht,

good

seg. for height

gold hull, Rather difficult to
thresh, sturdy stem No.
rather heavy on leaves

tall late plants

some segregation, short sturdy
stem, rough hulls

565

545

618

477

2205 3308

554

479

434

457

1924 2886

685

549

518

594

2346 3519

408

468

495

530

1901 2852

580

506

543

581

2210 3315

done
B50-4325,

20 Cent. Sol

120

8/4

~~8/9~~

9/4

52

9/2

224

327

423

100/

done
F.21 Honduras

121

8/9

~~8/12~~

9/1

55

9/1

C.I. 1643

218

321

416

23

done
F.22 B44-2647-3-1,

22 Hill Med Sol.

122

8/8

~~9/14~~

9/10

43

9/2

227

328

417

15

done
F.23 Calif-1473-5-2,

123

8/4

~~8/7~~

9/2

46

9/2

225

316

418

24

done
F.24 B45-15-1-8-2-1,

124

9/31

~~8/6~~

8/30

42

9/1

Hill Med Sol

216

326

415

16

5 0 0

6 0 0

7 0 0

6 0 T

6 0 0 :

a med-grain type, taller
than Z. (v. tall)

very tall, v. good Honduras
plot. leaves die back rather
fast. v. leafy plot.

v. good, short sturdy straw
v. green leaves & stems a $\frac{9}{12}$
that heads but no stinkiness,

Rather tall, grain much like
Century; green straw

v. short sturdy straw,
straw hulls, smooth, looks
v. good but . hard to thresh

475

504

568

591

2138 3207

535

470

424

482

1911 2867

577

530

553

612

2272 3408

566

600

609

551

2326 3489

574

544

557

580

2255 3383

Sample
 F. 25
 B46-3046-7-1-3, 125 8/5 ~~8/11~~ 9/2 45 9/1
 K-H x BR(Rogue) 226
 1020 322
 425

Sample
 F. 26
 Leger Med-grain 126 8/5 ~~8/12~~ 9/1 46 9/1
 222
 318
 1014 427

Sample
 F. 27
 B4542A1-2-4-1, 127 8/2 ~~8/9~~ 9/1 41 9/1
 R-7689 x 228
 (TP x R-SBR) 315
 1139 422

Sample
 F. 28
 B45-15-1-1-6-6-1-1, 128 8/5 ~~8/10~~ 9/4 48
 Hill Med x Z 223
 2018 319
 420

Soil getting dry on 9/2

4+ 0 0

6 0 T

5 0 0

6 0 0

seedling
very good

V. good Excellent tillering on $7/3$
tall. Smooth med-gr type
V. easily threshed
V. clean straw, gold hulls
V. green straw, leaves all drop,

good about 2. mat & lit, gold
hulls.

Very rough hulls, gold, fairly
easy to thresh, much like
2 for grain shape.

poor V. short straw, earlier
than 2. Grain sl. longer and
more cyl. than 2. Leaves
human like. A
rather promising short strawed
plant type

poor about as tall as 2, sl.
later, smooth hulls, harder
to thresh than 2 with,
2 sl. shorter than adj 2 with photo

569

553

505

522

2149 3224

434

594

605

592

2225 3338

576

569

572

580

2297 3446

736

650

641

740

2767 4151

Early maturing long and long slender-grain varieties
 Test no. 3 (Uniform Group)

6. Power
 29 Lady Wright Sel.

129

8/2

~~8/9~~ 9/1

48

235

342

29

433

30 Zenith

130

8/5

~~8/10~~

9/2

46

C.F. 7787

241

30

335

432

31 Century Patna²³

131

8/5

~~8/10~~

9/4

48

239

329

31

438

S403/A1-11-7-1,

132

8/10

~~8/15~~

9/4

48

32 TP & P-SBR

238

32

338

439

6. Power
 33 T-1, Introd.

133

7/31

~~8/6~~

8/24

55

230

341

33

437

4 0 0

4+ - 1

6 0 T

5 0 0

7 0 0

V. good I.W. plot

v. good looks very good $\frac{2}{3}$

looks very good $\frac{2}{3}$

Panicles more erect than Cent,
probably taller,

Don't know
than other
Taller than Cent on $\frac{2}{3}$ growth
more erect, more tillers
Some W.T. on $\frac{2}{3}$
Too tall strain too
limber, long looking plot, reach

574

534

476

495

2079 3119

648

565

630

611

2454 3681

651

696

596

665

2608 3912

626

697

635

690

2648 3972

625

634

554

506

2319 3479

uni 34 Prelude 134 8/6 ~~8/12~~ 50
C.I. 8311 233

34 333
435

uni 35 Hyb MIX 2-47-12, 135 8/10 ~~8/15~~ 49
TP x R-SBR 232

35 334
429

uni 36 B455B2-11-2, 136 8/14 ~~8/20~~ 47
BBT x (TP x R-SBR) 240

36 340
434

uni 37 C50-4059, 137 8/7 ~~8/11~~ 9/4 48
R x Z 242

39 330
440

uni 38 C50-4061, 138 8/2 ~~8/11~~ 9/4 50
R x Z 234

40 337
430

uni

6 0 T

4 0 3-4

4 0 3

6 0 1

5 0 1

growing very tall

v. good much like Cent but taller

Very growth much like B&T.
appears to have v. good grain
texture, as long as B&T
no W. eyes.

not as tall as 38, straw hulled

Too tall, gold hulled

609

753

644

743

2749 4124

46.6 63.6 75.5 103.0

485

525

470

561

2041 3062

43.8 63.6 71.0 103.0

560

492

540

494

2086 3129

46.6 67.7 75.5 109.7

573

511

572

636

2292 3438

36.1 67.9 58.5 110.0

535

434

483

531

1983 2975

Calif-47-1470 139 8/5 ~~8/10~~ 9/1 42
 uni 39 236
 332
 41 441

Remark 140 8/12 ~~8/15~~ 9/22 (140) 48
 uni 40 C.I. 8644 231
 42 339
 442

CSO-4054, 141 8/1 ~~8/7~~ 8/30 45
 uni 41 Rx 12 229
 38 336
 436

44C521-1512, 142 8/5 ~~8/11~~ 8/30 51
 42 Rx 2 237
 CSI-4087 331
 431

not drained until 9/3.

add sl. q. sel from Stuttgart S52V 221

6	0	0
---	---	---

6	0	0
---	---	---

5	0	0
---	---	---

4	0	0
---	---	---

Uniform, v. dark green color,
reduced leaf area of Caloro.
Short stem

v. good
like to v. uniform heavy.
Shorter stem than Ant

Too tall,

55.0	71.2	89.1	115.3	510
				417
				439
				<u>431</u>
				1797 2696
59.1	63.3			595
63.7	68.9			550
63.8	68.8			641
				<u>620</u>
				2406 3609
58.7	64.8			592
59.1	66.0			503
53.4	65.7			594
57.1	64.3			<u>659</u>
				2348 3522
36.8	65.6	59.6	106.3	570
				622
				555
				<u>544</u>
				2291 3437

37

Early and midseason maturing long and long slender grain varieties

Test no. 4

disc/ 43 Nolte 48-15, 143 8/5 ~~8/11~~ 9/1 46
 TPxR-SBR 254
 1026 356
 451

pop/ 44 ~~Nolte~~ 51-1030, 144 8/5 ~~8/10~~ 9/4 44
 Cent. Sel 243
 1030 348
 447

disc/ 45 B4511A1-72-2-3, 145 8/25 ~~9/3~~ 47
 Hill Sel x 252
 (TPxR-SBR) 1133 353
 446

disc/ 46 B4536A1-3-1-3, 146 8/6 ~~8/11~~ 46
 R-7689 x Hill Mod. 244
 25 347
 443 (1942) 25A

disc/ 47 B4513A2-28-1-2, 147 8/19 ~~9/26~~ 9/22 51
 Hill Sel x ~~TPxR~~ 246
 79 352
 456

6	0	0
---	---	---

4	0	0
---	---	---

6	0	0
---	---	---

3	T	T
---	---	---

4	0	0
---	---	---

good Tiller, more erect panicle
than 44, fewer + shorter panicles?

good v. short strawed Cent type
v. uniform 8/16, Watch

poor

Uniform, excellent tillering,
appears very heavy again this year.
more sterility than others,

Tall seg. on 8/16; mostly erect,
an excellent BBT type,
straw hulls, v. uniform
Watch

49.5 67.3 80.2 109.0

471

490

455

540

1956 2934

46.1 65.1 74.7 105.5

661

631

482

612

2386 3579

33.1 69.3 53.6 112.3

476

496

611

490

2073 3110

36.6 63.0 59.3 102.1

600

695

647

638

2580 3870

35.0 65.1 56.7 105.5

629

690

592

661

2572 3858

Sample
 F. pl. 48
 B4511A1-18-2-3, 148 8/12 ~~8/17~~ 9/22 44
 Hill Sel x 245
 (TP x R-SBR) 355
 27 445

Sample
 F. pl. 49
 C.I. 5094 149 8/13 ~~8/17~~ 9/22 49
 251
 5625 350
 452

Sample
 F. pl. 50
 B4513A2-12-2-2-4, 150 8/13 ~~8/17~~ 9/22 47
 Hill Sel x BBT. 249
 349
 3111 449

Sample
 F. pl. 51
 B4530A1-36-2-1, 151 8/6 ~~8/17~~ 9/22 45
 TP49 x Hill Med. 256
 1223 351
 450

Sample
 F. pl. 52
 B4512A1-106-1-3, 152 8/19 ~~8/26~~ 9/22 48
 Hill Sel x BBT. 250
 1105 354
 455

5	0	0
---	---	---

6	0	0
---	---	---

4	0	0
---	---	---

4	0	3-4
---	---	-----

4 T O

feeding
v. good
5/22/52

v. short straw,
sl. lighter than Cent.?
looks to have an excellent
grain shape and texture,
more like Ricco than Cent grain
v. good Tillers well, appears to
have much reg. vigor, rather
light green color like T & 49.

v. good Eriat leaf habit,
a good BBT type, does not
appear as big as #47.

uniform, short strawed early type;
flag leaves drop. watch,
grain fuller than Cent. Should be
a very good miller. v. sturdy
straw; Too many sterile heads

looks v. good on 9/6; vigorous
BBT growth habit, sturdy appearance;

36.4 69.2 59.0 112.1

464

597

529

530

2120 3180

56.1 67.4 90.9 109.2

597

624

669

608

2498 3747

52.4 68.1 84.9 110.3

682

336

603

622

2243 3365

47.6 66.6 77.1 107.9

475

484

546

534

2039 3059

46.4 66.7 75.2 108.1

552

640

577

614

2383 3575

Pop 53
F. pl
 B455A1-25-1-1, 153

BBt. x (TP x R-SBR) 247

343

1076

454

8/16 ~~8/24~~ 9/22 41

two diam
52-47 54
 B4512A1-50-3-1, 154

Hill Sel. x BBt. 253

346

1082

444

8/16 ~~4/24~~ 9/25 51

Single
F. pl 55
 B455A1-27-3-3, 155

BBt. x (TP x R-SBR) 255

344

81

453

8/12 ~~8/17~~ 9/22 47

Single
F. pl 56
 B4516A2-43, 156

Hill Sel. x 248

(TP x R-SBR)

26 $\left(\begin{matrix} 345 \\ 448 \end{matrix} \right) 26A$

8/6 ~~8/4~~ 9/3 41

W.T.

6 0 0

v. bad for W.T. in early
stages of growth

3 0 0

6 0 0

6 0 0

prob. did not look as good as 55
on 8/16. The shortest straw
of the 455A or 4512 A lines
looks good.

v. clean for HD, rather light green
color, watch.
Tall types

v. uniform appearance on 8/16.
prob. more productive than
53 but sl. taller, compare
ht. & milking qual. with BBL 50

erect growth, uniform heading,
short straw; heads rather
short.

44.7 66.8 72.4 108.2

596

682

527

637

2442 3663

48.2 69.8 78.1 113.1

603

597

598

617

2415 3623

49.1 67.4 79.5 109.2

600

450

582

516

2148 3222

50.7 65.9 82.1 106.8

501

484

546

517

2048 3072

medium maturing, long and long slender grain varieties:
 Test no. 5 (uniform group)

uni ⁵ uni. H Century 52 157 8/10 ~~8/15~~ 9/22 46
 266
 369
 55 460

uni 58 46C 711, 158 9/13 ~~8/18~~ 9/25 (143) 46
 4-II-8-14 x BBT, 258
 2000 24029 368
 467

uni 59 Nira 159 8/20 ~~9/27~~ 9/22 62
 C.I. 2702 268
 43 366
 457

uni 60 Bluebonnet 50 160 8/15 ~~8/21~~ 9/22 (140) 49
 260
 47 365
 470

uni 61 Improved Bluebonnet 161 8/16 ~~8/24~~ 9/22 (140) 51
 259
 48 360
 468

6 0 0

6 0 1

4 0 0

6 0 0

6 0 T

good, v. informal heading,

v. good Has BBT erect growth habit.
on 8/16; looks v. good.

very tall on 8/16, v. long drooping
leaves;

v. good Taller than BBT + Imp. on 8/10
and more drooping leaves,

55.1 65.9 89.3 106.8

505

578

567

550

2200 3300

59.7 67.5 96.7 109.4

551

646

595

548

2340 3510

51.4 68.5

618

53.9 68.4

645

53.4 68.5

637

51.8 68.7

474

2374 3561

53.6 65.8

479

55.0 66.0

549

52.5 64.4

440

58.5 67.5

554

2022 3033

59.5 67.1

570

60.5 67.2

636

60.8 68.0

583

58.8 66.1

581

2370 3555

mi 62 T. Fortuna 162 8/15 ~~8/21~~ 9/22⁽¹⁴⁰⁾ 52
C.I. 1344 264

361

51 466

mi 63 C4-II-1-8-1, 163 8/13 ~~8/20~~ 9/22 57
Rx BR-R 267

364

45 463

mi 64 Bluebonnet 164 8/15 ~~8/21~~ 9/22⁽¹⁴⁰⁾ 54
C.I. 8322 261

46 357

465

mi 65 B46-4799, 165 8/15 ~~8/21~~ 9/22 48
Rogue 257

358

53 462

mi 66 C322A6-23, 166 8/20 ~~8/27~~ 9/22 47
Rx F 265

367

52 461

6 0 0

4 0 0

6 0 0

6 0 0

6 0 0

good more leaf area than BBS,
longer more drooping leaves,

d. taller
than BBS.

leaning badly on 9/2

leaning sl on 9/2

erect growth, rather large culms,
very sturdy plants,

erect vigorous growth 8/16, lighter green
than BBS 8/16,

45.0 69.7 72.9 112.9

548

571

596

576

2291 3437

49.1 69.0 79.5 111.8

458

493

391

517

1859 2789

55.5 69.6

536

59.0 70.3

572

56.9 70.3

512

56.6 70.4

526

2146 3219

55.6 71.0 90.1 115.0

617

54.0 70.0

609

51.0 70.0

674

56.0 70.4

593

2493 3740

61.0 71.7 98.8 116.2

542

551

512

488

2093 3170

uni 67 B459A1-95-16-3, 167 8/15 ~~8/21~~ 9/22 45
H.11 Sel x Rexark 270

1160 359
1161 469

uni 68 C48-4090, 168 8/14 ~~8/20~~ 9/22 (440) 53
BBt. Sel. 269
Sunbonnet 44 370
464

uni 69 Rexark 169 8/11 ~~8/16~~ 9/22 50
C.I. 8644 263
54 362
458

uni 70 46C713-9, 170 8/15 ~~8/21~~ 9/22 51
4-II-8-14 x 262
322A6-23 363
c4124 459

6 0 0

6 0 0

7 T 0

12 6 0 0

Erect neg growth $2\frac{1}{2}$
Has very short stem, too
many short bds, poor
tillering.

good Erect growth of SBT $2\frac{1}{2}$

V. good Semi spreading leaves;

Erect growth $2\frac{1}{2}$

54.6 67.3 88.5 109.0

579

580

611

565

2335 3503

587

480

581

416

2064 3096

53.3 68.8 86.3 111.5

570

540

465

590

2165 3248

59.3 67.7 96.1 109.7

549

542

527

550

2168 3252

Midseason maturing long and long slender - green varieties.

Test no. 6.

dis

71

B459A3-74,

171

8/15

~~8/21~~

7/22

48

Hill Sel x

282

Remark

382

74

471

*Repl
F. pl.*

72

B459A3-47-2-2,

172

8/20

~~8/29~~

9/22

50

Hill Sel x

275

Remark

376 (1940s)
BR?

76

474 (2940s)
BR?

*dis
main
F. pl.*

73

B459A1-118-2-1,

173

8/15

~~8/21~~

9/22

49

Hill Sel. x

278

Remark

383

77

479

*Angia
F. pl.*

74

B459A1-12-1-2,

174

8/15

~~8/20~~

9/22

49

Hill Sel. x

271

Remark

375

78

478

*Angia
F. pl.*

75

B4510A1-154-7-1,

175

8/15

~~8/21~~

9/22

48

Hill Sel. xBBT.

276

80

378

482

6 0 T

6 0 1

6 0 T

6 0 0

6 0 0

erect lvs, moderate lvs $8\frac{1}{6}$

erect growth moderate lvs $8\frac{1}{2}$;

erect growth, moderate lvs, $8\frac{1}{6}$;

erect veg growth, quite tall $8\frac{1}{6}$

erect growth, short veg growth $8\frac{1}{6}$

55.8 67.8 90.4 109.8

430

467

466

536

1899 2849

56.6 67.4 91.7 109.2

523

661

652

780

2616 3924

63.8 69.7 103.4 112.9

456

645

612

682

2395 3593

50.2 67.5 81.3 109.4

621

590

668

699

2578 3867

52.3 69.3 84.7 112.3

522

582

578

577

2259 3389

Sample F. 176	B322B47-12-2-4, 176	8/19	8/26 9/22	51
	RxF	279		
		373		
	82	475		
Sample F. 177	B47-3741-15-15, 177	8/16	8/22 9/25	48 ^{10/3}
	BBt. Sel.	280		
		379		
	83	472		
Sample F. 178	B46-4248-1-12-3, 178	8/15	8/24	48
	BBt. Sel.	281		
		380		
	84	484		
6 Rows 179	B453/A2-20-5-4, 179	8/16	8/22 9/22	49
	TP49 X 8975	277		
		371		
	108	477		
Row 80	B459A3-5-1-1, 180	8/20	8/26 9/22	46
	Hill Sel.x	284		
	Rexark	377		
	1184	473		

6 0 0

4 0 T

6 0 0

6 0 0

6 0 0

v. good, fairly tall, drooping
leaves of 2nd BBT

good Erect growth like BBT,
clean for H.O.

Erect growth.

big vigor of T149, rather tall, drooping
leaves 8/16

erect, moderate ht 8/16
v. green straw when over-ripe

57.4 68.0 93.0 110.2✓

587

646

676

638

2547 3821

15.9 69.4 25.8 112.4

674

651

766

726

2817 4226

54.2 68.9 87.8 111.6

546

521

544

548

2159 3239

64.9 68.6 105.1 111.1

700

618

638

700

2656 3984

62.8 68.9 101.7 111.6

469

577

610

544

2200 3300

deed
new
stream in
6 Row pl. 81

B459A3-14-2-1, 181

8/19

8/25

46

Hill Sel. x 272

Rexark 374

1188 476

single
F pl. 82

B4511A1-91-1-2, 182

8/30

✓

10/3

40

Hill Sel. x 283

(TPxR-SBR) 381

1138 480

single
F. L. 83

HO-341-1-1-1, 183

8/14

8/20

49

TPx B3812A 274

5965 384 (2 quads)
TBBT483 (2 quads)
TBBT

deed
new
stream in
52-4762
84

HO-421-2-1-1, 184

8/27

✓ 10/3

49

TPx B3812A 273

6007 372

481

6 0 T

5 0 0

1 0 0

3 0 0

erect, fairly tall
Has v. green straw when
seen up
11

medium flat, erect growth $9/16$;
Has very short straw
a very good grain shape,
apparently no white-eye

v. clean for HD, bad for leaf yellow
poor tillering;

clean for HD, lower leaves
spread on $8/16$; not too tall reg.
Still very green straw on
10/14

61.8 68.1 100.1 110.3

564

538

474

688

2264 3396

61.6 69.0 99.8 111.8

547

554

520

609

2230 3345

38.2 69.0 61.9 111.8

396

344

291

312

1343 2015

42.1 72.4 68.2 117.3

598

583

629

570

2375 3563

73

Midseason maturing short and medium-grain varieties

Test no. 7 (Uniform group)

B4559A1-102-2, 185 8/20 ~~9/26~~ 10/3 48

✓ uni 85 Bruin Sel. x 296

BR. 386

66 497

und ✓ 86 Kamrose. 186 8/15 ~~9/21~~ 10/3 51

C.I. 8314 295

395

69 489

und ✓ 87 B4325A1-77-6, 187 8/30 ~~9/3~~ 10/3 48

Bruin Sel. x 287

F-Red 392 (1 guard)
BR67 495 (2 guards)
BRund ✓ 88 C3-I-9-4, 188 8/27 ~~9/3~~ 10/3 50

BR x BR-R 285

62- 390

493

und ✓ 89 C6-I-25-12, 189 8/27 ~~9/3~~ 10/3 54

BR x BR-R 289

61 388

492

7 0 0

7 0 2

6 0 T

6 0 1

6 0 T

shorter, more erect veg growth
than SR.

v. good

good (at least as tall as Bk on 8/16;

quite tall 8/16, drooping leaf habit;

rather erect growth habit, 8/16

54.8 69.3 88.8 112.3

575

743

615

574

2507 3761

53.1 70.0 86.0 113.4

596

639

623

611

2469 3704

61.1 68.4 99.0 110.8

531

624

604

608

2367 3551

48.2 66.9 78.1 108.4

536

565

622

472

2195 3293

54.0 70.0 87.5 113.4

572

663

662

629

2526 3789

uni
 ✓ 90 Blue Rose 41 190 8/22 ~~8/27~~ 10/3 51
 288
 385
 63 496

uni
 ✓ 91 Acadia 191 8/19 ~~8/25~~ 10/3 43
 C.I. 1988 292
 393
 58 485

uni
 ✓ 92 Blue Rose 192 8/22 ~~8/29~~ 10/3 51
 C.I. 1962 297
 344
 59 486

uni
 ✓ 93 B4313A2-57-13, 193 8/24 ~~8/30~~ 10/3 52
 SmBR-BR41X 291
 F-Red 389
 490

uni
 ✓ 94 Calrose 194 8/10 ~~8/16~~ 10/3 43
 293
 391
 64 498

12 6 0 1

7 0 3-4

6 0 T

5+ 0 T

7 0 5

good

good

v. good not as tall as Bk m²/6,
and leaf not more erect; v. good.

61.5 70.8 99.6 114.7

605

614

617

526

2362 3543

46.3 69.1 75.0 111.9

501

423

506

473

1903 2855

63.9 70.5

654

65.4 71.3

623

63.0 70.1

702

63.0 70.9

551

2530 3795

61.7 70.0 100.0 113.4

552

560

590

528

2230 3345

51.4 67.4 83.3 109.2

428

419

453

457

1757 2636

✓ 95 *mm*
 B438A1-1044, 195 8/27 ~~9/2~~ 10/3 47
 SmBR-BR4/X 294
 8326 396
 60 488

✓ 96 *mm*
 AtKrase 196 8/16 ~~8/21~~ 10/3 (149) 49
 C.I. 8310 286
 57 398
 487

✓ 97 *mm*
 Hyb Mix-11-47-11-1, 197 8/16 ~~8/21~~ 10/3 49
 E. Short gr. 290
 Bulk 68 387
 494

✓ 98 *mm*
 Caloro 198 8/10 ~~8/15~~ 10/3 (149) 43
 C.I. 1561-1 65 298
 397
 491

12 5 0 1

7 0 5

7 0 T

6 0 4

v. good

Better looking than Colono 2 1/2,
shorter and lighter green color.
as tall as med. gr. varieties
but has very fine stem &
lady's lady's

Taller
than Colono

62.7 67.6

651

60.9 66.9

682

63.2 68.1

728

62.7 68.0

569

2630 3945

46.4 67.2 75.2 108.9

477

565

544

475

2061 3092

41.0 68.7 66.4 111.3

635

604

676

559

2474 3711

51.1 69.9

557

52.8 71.0

576

51.5 69.0

535

53.1 71.6

492

2160 3240

47.1 73.2 76.3 118.6

Late maturing varieties:
Test no 8 (Uniform group)

Subst. new strain C 4060	uni ✓ 100	C3-22, 15/16 Rex	501	9/23	✓ 11/10	50
			614			
			714			
			810			
		95				
			502	-	9/24 10/23 (169)	51
			601			
			709			
		92	813			
			503	9/21	✓ 11/10 (187)	50
			613			
			701			
		93	811			
			504	9/18	✓ 11/10	49
			603			
			704			
			812			
		C51-4164				
			505	-	9/24 9/25	51
			607			
			710			
			803			
		C51-4180				

6 0 0

5 0 0

4 T T

6 T T

4 T 0

extremely erect on 8/16

Vegetative regrowth on 8/16, fairly
long drooping leaves

good on 8/16

good on 8/16 like Revord

erect, fairly tall on 8/16, like Revord

47.1 73.2 76.3 118.6

552

455

396

468 (calculated)

1871 3807

54.9 70.1

587

56.0 70.6

585

58.3 69.8

563

57.0 70.1

599

2334 3501

59.0 73.5

515

61.4 74.0

521

52.8 72.3

464

61.2 73.9

561

2061 3092

45.1 73.4 73.1 118.9

555

576

583

666

2380 3570

51.3 65.7 83.1 106.4

571

462

462

555

2050 3075

uni
 ✓ 104 B403/A1-1-13-11-1, Sol 9/2 (10/17 45
 TP x R-SBR 609
 703
 86 805

disc
 105 C3-29, 7/8 Rex 507 - (10/15 47
 610
 713
 98 801
*(mixture present
 induction type)*

disc
 106 C50-8035, 508 9/24 (11/10 5)
 Introd. 605
 708
 97 807

uni
 ✓ 107 B43-280-1-3, 509 9/2 (10/14 51
 T. Patna Sol. 602
 702
 1206 804

uni
 ✓ 108 C3-12, 7/8 Rex 510 9/21 (11/6 50
 611
 94 707
 802

5 0 3

7 T 2

6 0 0

5 0 0

6 T 2

X uni
109

C3-72-3,
Rx P. Lf.

511

612

711

809

87

2.

9/2

9/20

10/23

49

(169)

uni
✓ 110

Texas Patna

512

Sel. A.

608

C.I. 8321-1

712

814

90

9/21

10/10

51

(156)

low 10/16

uni
✓ 111

B4524A1-4,

513

TP49 x

606

(TPxR-SBR)

91

705

806

9/21.

L

10/24

49

uni
✓ 112

B32/B40-3,

514

RxD

604

85

706

808

L

10/11

49

(157)

low 10/16

gueding Cross. 135V

51-4164 (Crouley) ✓

4060 (Crouley) ✓

B4527A1 124 ✓

5 0 0

6 5 5

6	0	7
---	---	---

6		
---	---	---

Tall, erect on $\frac{8}{16}$

Tall, erect on $\frac{8}{16}$;

moderately erect, good on $\frac{8}{16}$; not
as vigorous as TP49;

Has heads, shorter than
Rex, Rex's mat. grain prob,
as full as TP49

v. good
many
clonal
plants

erect growth, $\frac{8}{16}$;

62.7 71.4 101.6 115.7

536

470

534

551

2091 3137

64.5 70.8

625

65.4 70.2

691

67.0 70.6

612

65.6 70.4

606

2534 3801

56.7 68.9 91.9 111.6

636

508

592

568

2304 3456

57.8 70.8 93.6 114.7

705

678

641

689

2713 4070

Late maturing varieties:

Test no. 9

113 B43-280-1-4, 515 9/18 ~~9/24~~ 10/21 51
 T. Patna Sel. 622
 727
 825

114 B46-2069-5-3, 516 9/20 10/10 39
 T. Patna Sel. 617
 (Dwarf type) 725
 827

115 B4030A3-13, 517 9/11 9/15 10/8 46
 R-7689xR 628
 719
 823

116 B4044A3-1-1-1, 518 8/28 9/12 9/27 45
 R-SBR x BR 619
 720
 819

117 B3313A1-16, 519 9/20 10/25 50
 Roque, Rx7689 627
 721
 828

5 0 0

7 0 0

4 0 0

6 0 T

5 0 0

starting
from 114 erect growth $\frac{8}{16}$ fairly
clean for H.A.
a mixture present,

normal
fit dwarf appearance noticeable
on $\frac{8}{16}$, erect growth. bad for H.O.
V. short heads; grain sl.
curved, longer & fuller than Rex;
straw hulls.

V. good erect, rather narrow leaves
on $\frac{8}{16}$, dark green;
excellent grain shape; short straw
good to cross with Ant for 2mp
grain qual

fairly tall, erect leaf habit $\frac{8}{16}$
Poor grain shape; no C.O.
green leaves, prominent seg. +
characters

fairly tall, semi drooping $\frac{8}{16}$

56.8 70.0 92.0 113.4

628

752

601

694

2675 4013

54.0 68.5 87.5 111.0

521

534

521

529

2105 3158

60.3 70.8 97.7 114.7

754

728

793

758

3033 4550

55.9 66.7 90.6 108.1

661

591

567

610

2429 3644

59.7 69.7 96.7 112.9

520

588

642

642

2392 3588

single
F.P. 118 Texas Patna 520 9/18 L 10/19 52 ✓

C.I. 8321 620

103 722

816

single
F.P. 119 B4552A1-12-1-1, 521 9/20 L 10/26 48

TPx R-7689 615

104 728

818

Dis 120 B4033A4-38-1-7, 522 9/18 L 10/22 50

TPx R-7689 626

105 715

821

6 Rows 121 B4530A1-64-2, 523 9/20 L 9/25 46

TP49x Hill Med 624

106 717

820

single
F.P. 122 B4524A1-41-1-1, 524 9/22 10/20 48

TP49x 616

(TPx R-SBR) 107 726

822

6 0 T

7 0 0

6 0 0

6 0 T

6 0 T

fairly tall, erect growth habit 8/16

fairly short, erect growth 8/16
A very long looking plant, SL,
earlier than Rex but later
than T.P.

Vigorous veg. growth on 8/16 droop-
ing leaves.

erect leaf habit, 8/16 not too tall
v. short strong many short
heads, poor yield

Much like TP 49, sl more erect
on 8/16

60.1 69.9 97.4 113.2

491

580

493

592

2156 3234

50.3 65.7 81.5 106.4

569

593

565

578

2305 3458

55.3 70.6 89.6 114.4

602

544

655

610

2411 3617

57.8 68.5 93.6 111.0

469

526

411

451

1857 2786

59.4 70.9 96.2 114.9

664

611

644

723

2642 3963

Sample
 123 B4544A1-27-1-3, 525 9/18 ✓ 10/27 46
 R-7689x 8975 621
 723
 110 815

mini
 124 B4527A1-48-7-1, 526 9/18 ✓ 10/27 51
 TP49x Rexoto 625
 724
 111 824

mini
 125 HD-91-2-1-2, 527 9/19 ✓ 10/29 57
 TP49x B3812A 618
 5703 718
 817

Sample
 126 B4545A2-3-2-1-1, 528 9/21 ✓ 11/6 48
 TPx Hill Med. 623
 5459(A+B) 716
 5467(C+D) 826
 later than 10/29

5 0 0

5 0 0

4 0 0

6 0 0

extremely erect $8\frac{1}{6}$, rather
narrow leaves, Has except.
short straw; upright flops that
are not too long; plant heads,
rather poor yield.

v. good Erect leaf habit of Rex or
on $8\frac{1}{6}$ and appears more vigorous
than Rex or.

v. good, but later than
TP 49; Excellent grain text
quite tall $8\frac{1}{6}$, like TP 49, droop
leaves, quite tall; Taller than
TP 49, Head is more compact,

v. good
Taller than
some moderately erect $8\frac{1}{6}$,
vigorous neg growth of TP 49
Tall neg growth on $9\frac{1}{2}$ when
heads about 2" long.

59.8 68.0 96.9 110.2

662

559

562

583

2366 3549

50.8 68.5 82.3 111.0

584

558

534

592

2268 3402

59.4 70.1 96.2 113.6

591

473

402

451

1917 2876

57.5 69.4 93.2 112.4

514

430

386

470

1800 2700

miscellaneous varieties:

Sept no 10

~~6 Row~~
 127 RN, 529 8/16 ~~8/23~~ 9/27 48
 C.I. 8975 637
 729
 49 829

~~Row~~
 128 B4325A1-76-9-7, 530 8/28 ~~9/4~~ 10/5 57
 Bruin. Sel. x 641
 F-Red 741
 71 834

~~Single~~
~~FL~~
 129 B47-3054, 531 8/28 ~~9/4~~ 10/5 50
 Rexark Sel. 635
 72 742
 836

~~Row~~
~~FL~~
 130 Hyb Mix-12-47-6-1-2, ⁵³² 8/16 ~~8/21~~ 9/27 49
 Late Short-g. 636
 Bulk 736
 73 833

~~Single~~
~~FL~~
 131 B47-4399-11-1, 533 8/23 ~~9/2~~ 10/3 47
 Glut. (Pr. hull) 634
 1227 733
 835

4 0 0

5 0 T

4 0 T

7+ 0 0

7 0 0

erect leaf about $\frac{8}{16}$
Aner ripe when cut \

very tall $\frac{8}{16}$, long drooping leaves.
Too lack

wide leaves, semi-drooping $\frac{8}{16}$
Short head, stiff peduncle,
large stems, sturdy stem
quite tall

wide leaves
lodged when full.

short, erect leaf about $\frac{8}{16}$, dark green,
fairly short stem
per hills, sturdy stem

22.1 68.6 35.8 111.1

595

669

548

520

2332 3498

61.3 68.6 99.3 111.1

648

711

792

710

2861 4292

56.8 72.0 92.0 116.6

656

603

567

691

2517 3776

32.7 65.7 53.0 106.4

641

614

667

613

2535 3803

52.5 68.4 85.1 110.8

717

645

634

653

2649 3974

B47-4963-6-1-1, 534

9/18

L

10/24

54

132

Karang-Serang Sel. 639

1235

731

832

B47-4394-18-2,

535

9/2

L

10/23

59

133

Glut. Sel.

2365

630

735

830(2 guards)
5467

H0-114-3-1-1,

536

9/20

L

10/10

48

134

TP49XB3812A

640

5899

738

842(1 guard)
1204

45C554,

537

8/28

L

10/8

56

135

R-P.f. X Guidry

C51-4147

632

730

84(guards)

B47-4980-5,

538

9/21

L

10/29

63

136

Karang-Serang Sel

5378

638

739

838(2 guards)
1182

6 0 0

8 0 0

2 0 0

5 0 0

7 0 0

46.3 70.3 75.0 113.9

536

504

558

643

2241 3362

50.2 68.8 81.3 111.5

687

706

614

437

2444 3666

66.0 71.5 106.9 115.8

382

425

350

386

1543 2315

63.8 70.3 103.4 113.9

971

836

722

923

3452 5178

36.0 72.1 58.3 116.8

434

343

393

297

1467 2201

Single
 Fpl
 137 B459A1-52-1-1, 539 9/20 L 10/26 47
 Hill Sol x 629
 Rexark 734
 1182 840

Single
 Fpl
 138 B4526A4-4-1-1, 540 9/19 10/28 51
 TP49 x 631
 (TPxR-SBR) 740
 1147 837

Single
 Fpl
 139 B343B47-18-3-1, 541 9/22 L 10/28 51
 N x K 642
 1204 732
 839
 watch for
 C.O. resistance

Single
 Fpl
 140 Hyb Mix 8-47-21-1-1 542 9/22 10/17 51
 TPxR-SBR 633
 1060 737
 831

4 0 0

6 0 0

5 0 0

4+ 0 0

Erect leafy habit
Has very short stems
upright flags; clean for
H.O.

Drooping leafy habit, dark green 8/16
v. very plot, finely leafy

Rather light green leaves 8/16, erect leaf
sturdy plant type on 8/16

v. freely thrashed, prob no
taller than Rex, very wild
rather leafy (good); No CA

55.7 65.2 90.2 105.6

629

562

Calc. yield

525

531

2247 3371

53.8 68.8

704

594

626

605

2529 3794

56.5 66.8

515

502

421

433

1871 2807

62.9 69.9

732

690

663

350

2435 3653

$$\begin{array}{r} 17 \\ 5 \\ \hline 70 \end{array}$$

70

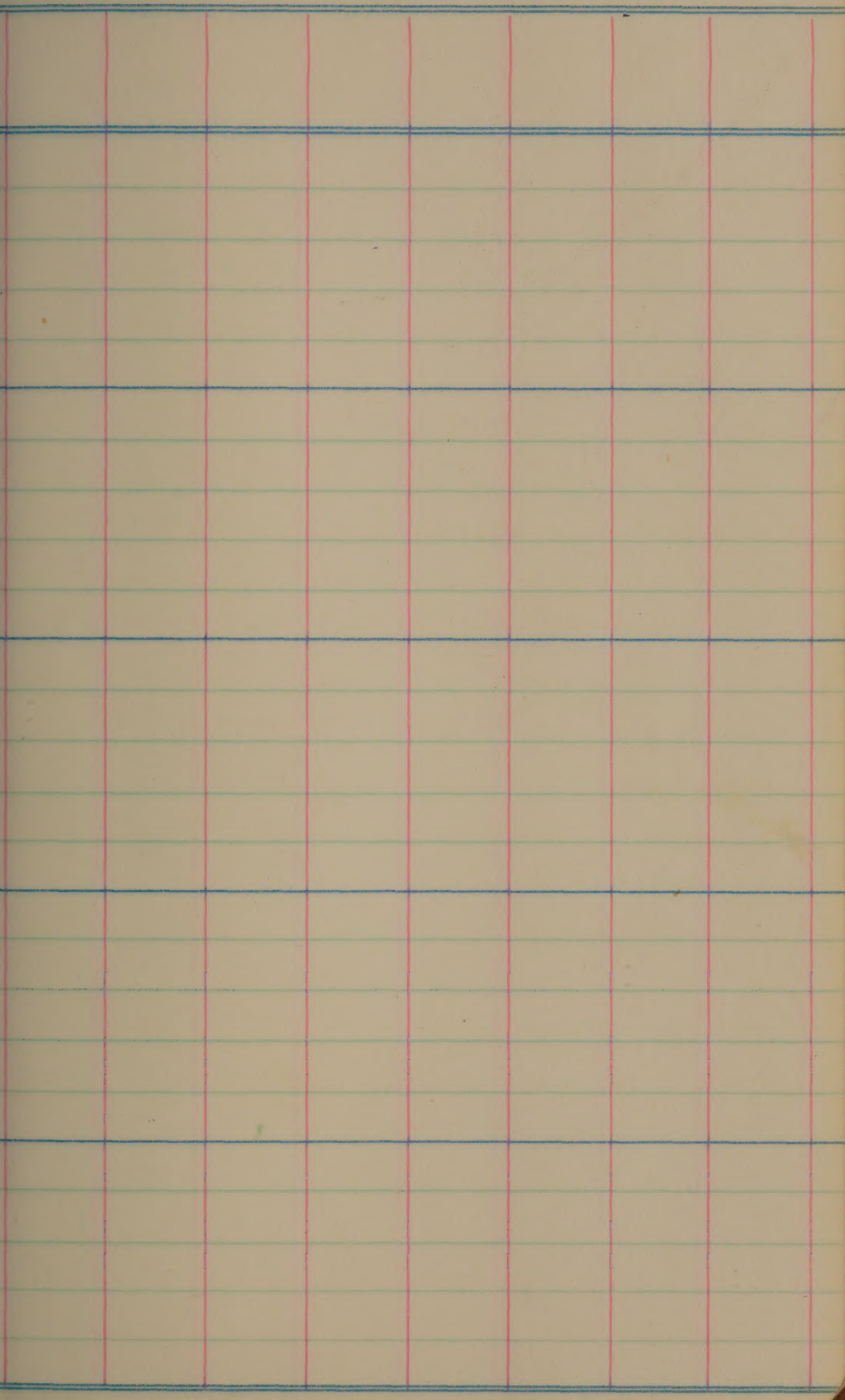
41

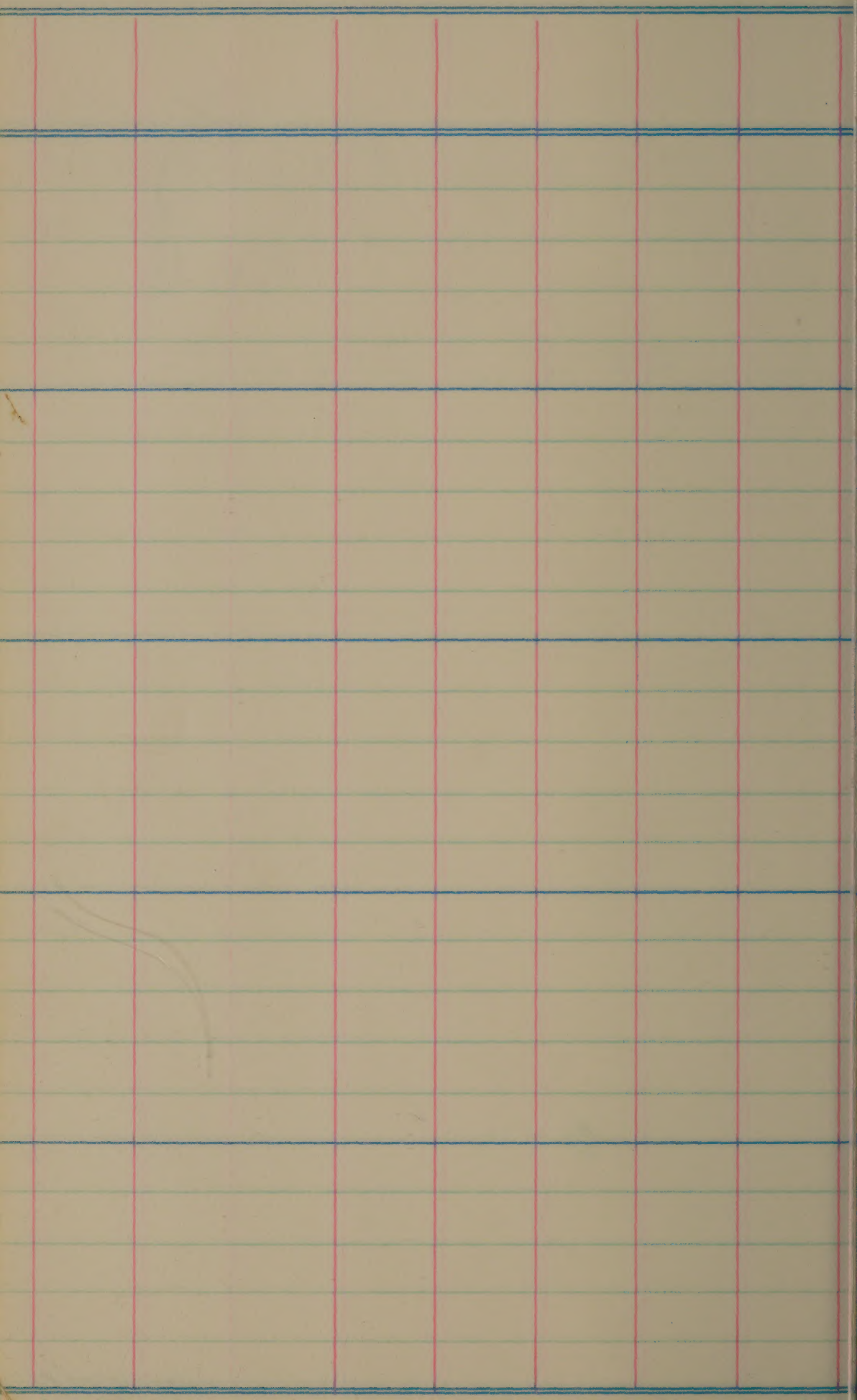
29

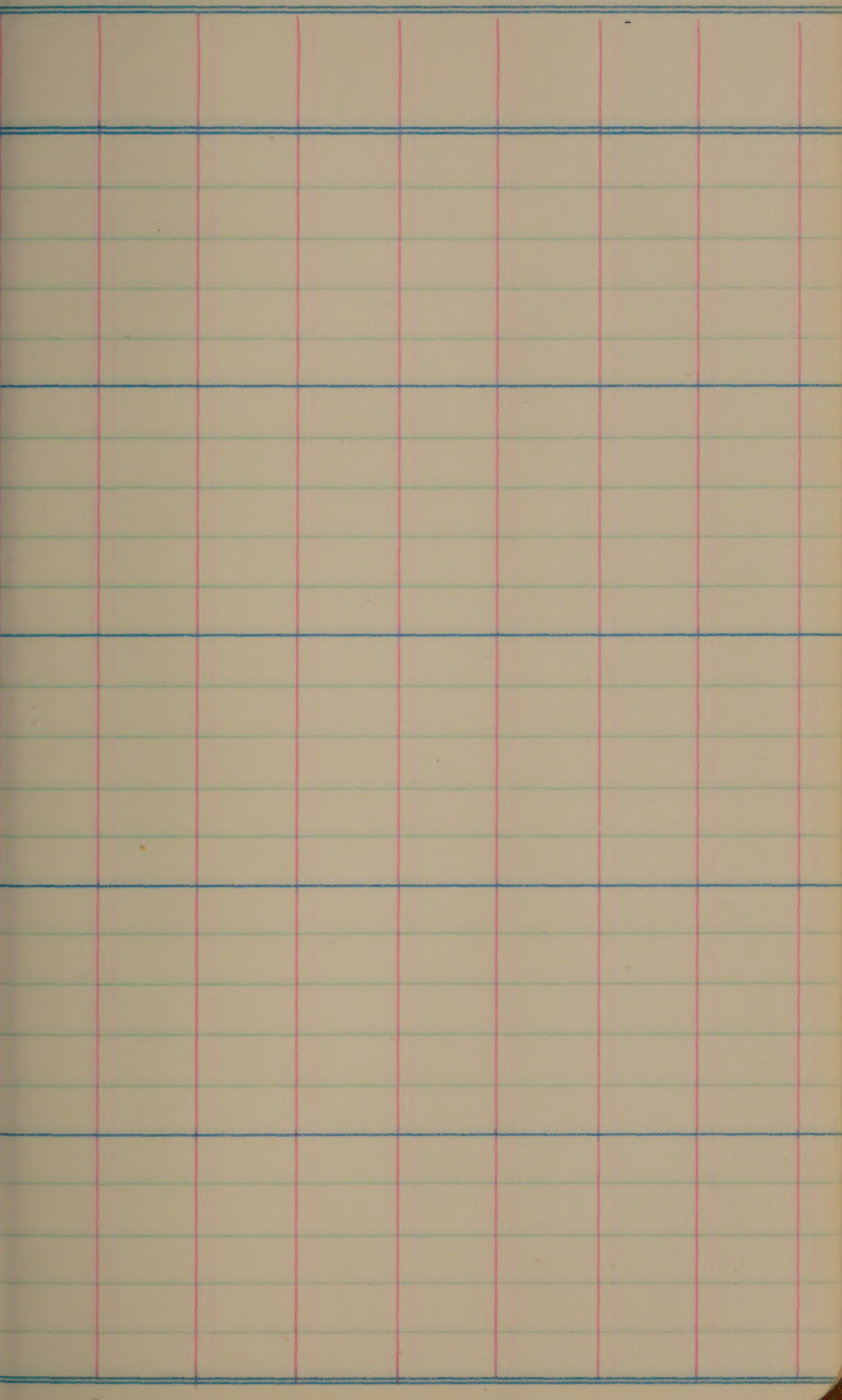
 70

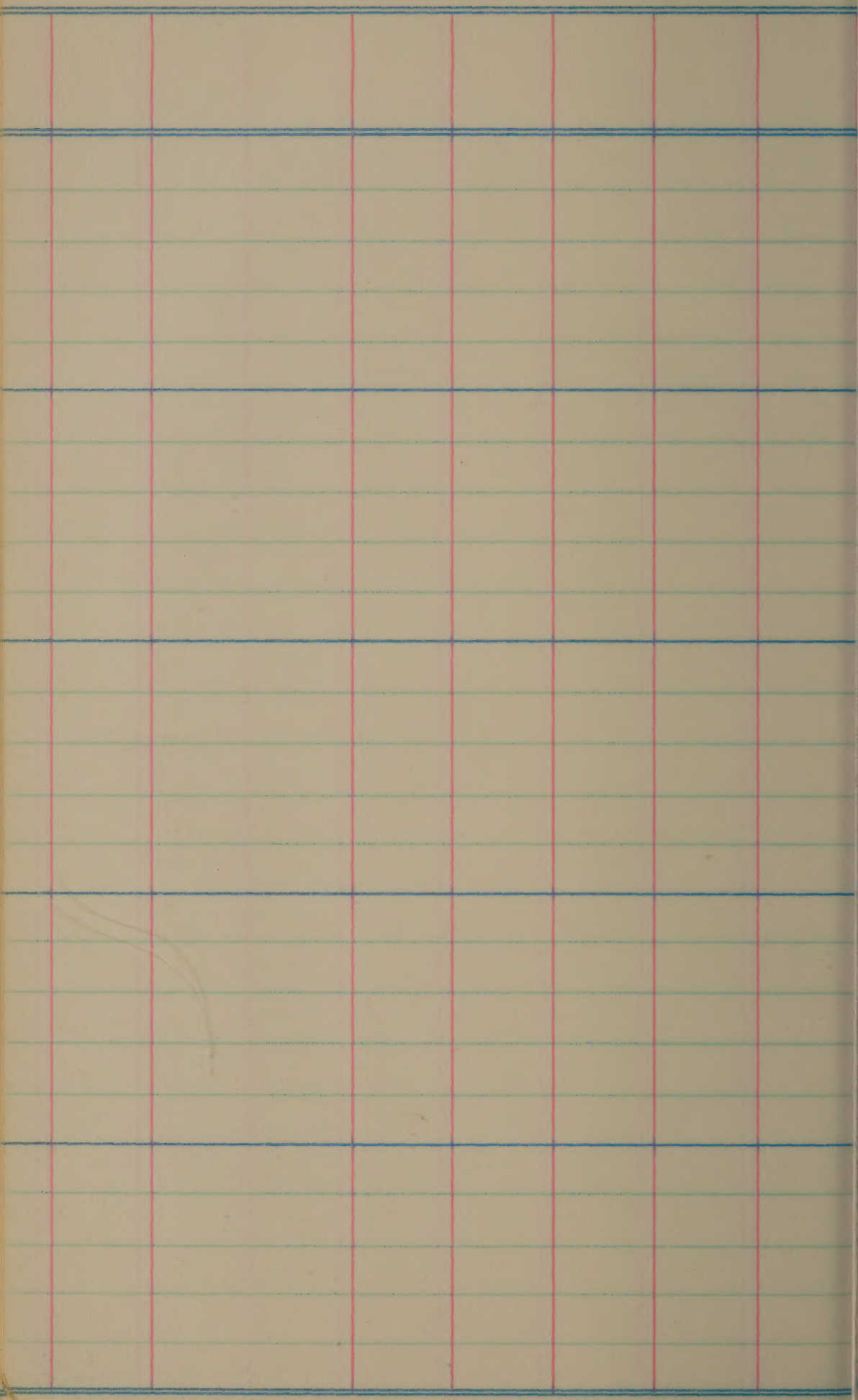
Single F. Plots from yield mns
 " " from Breed mns

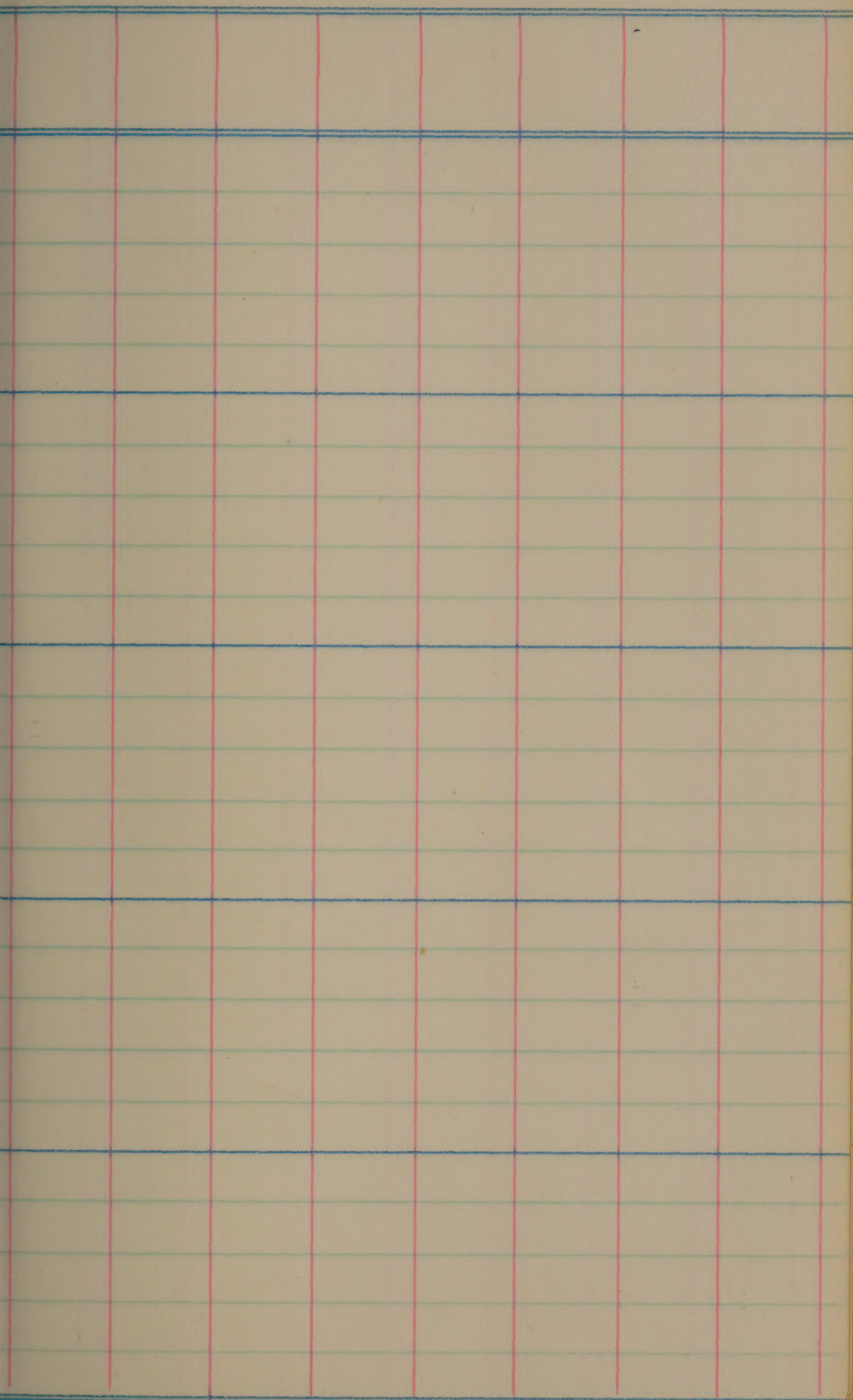
Have 35 lines or 6 extra

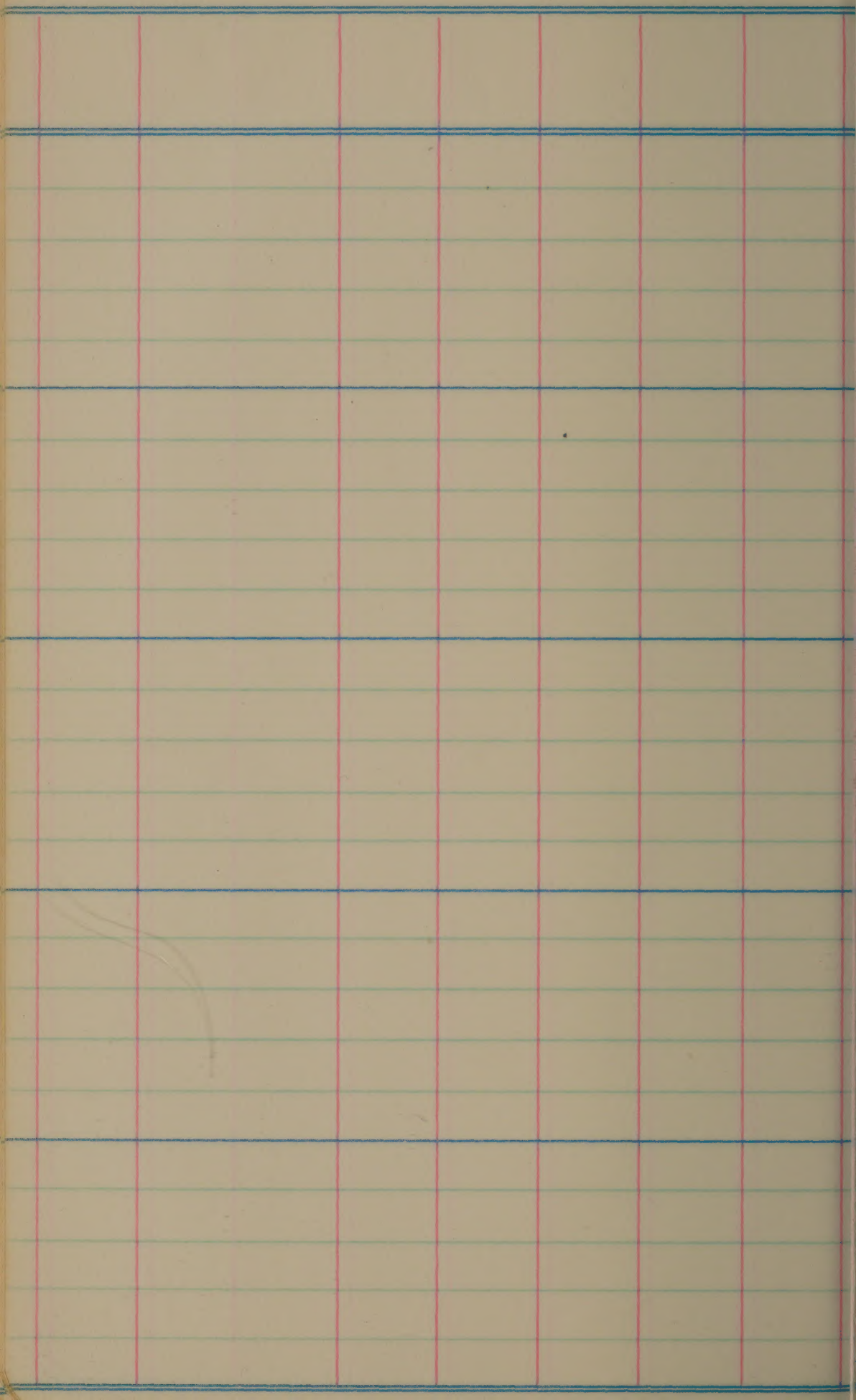


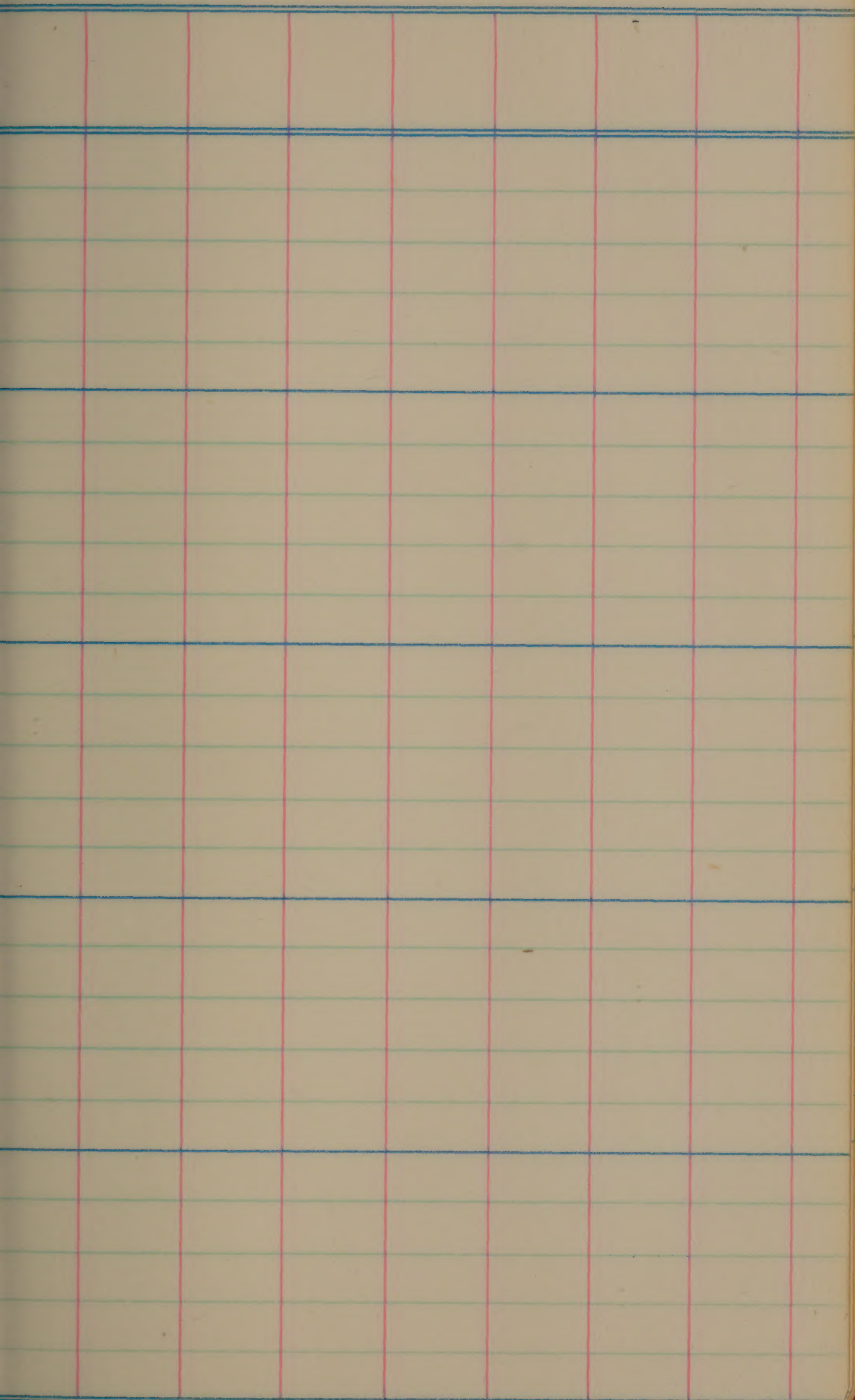


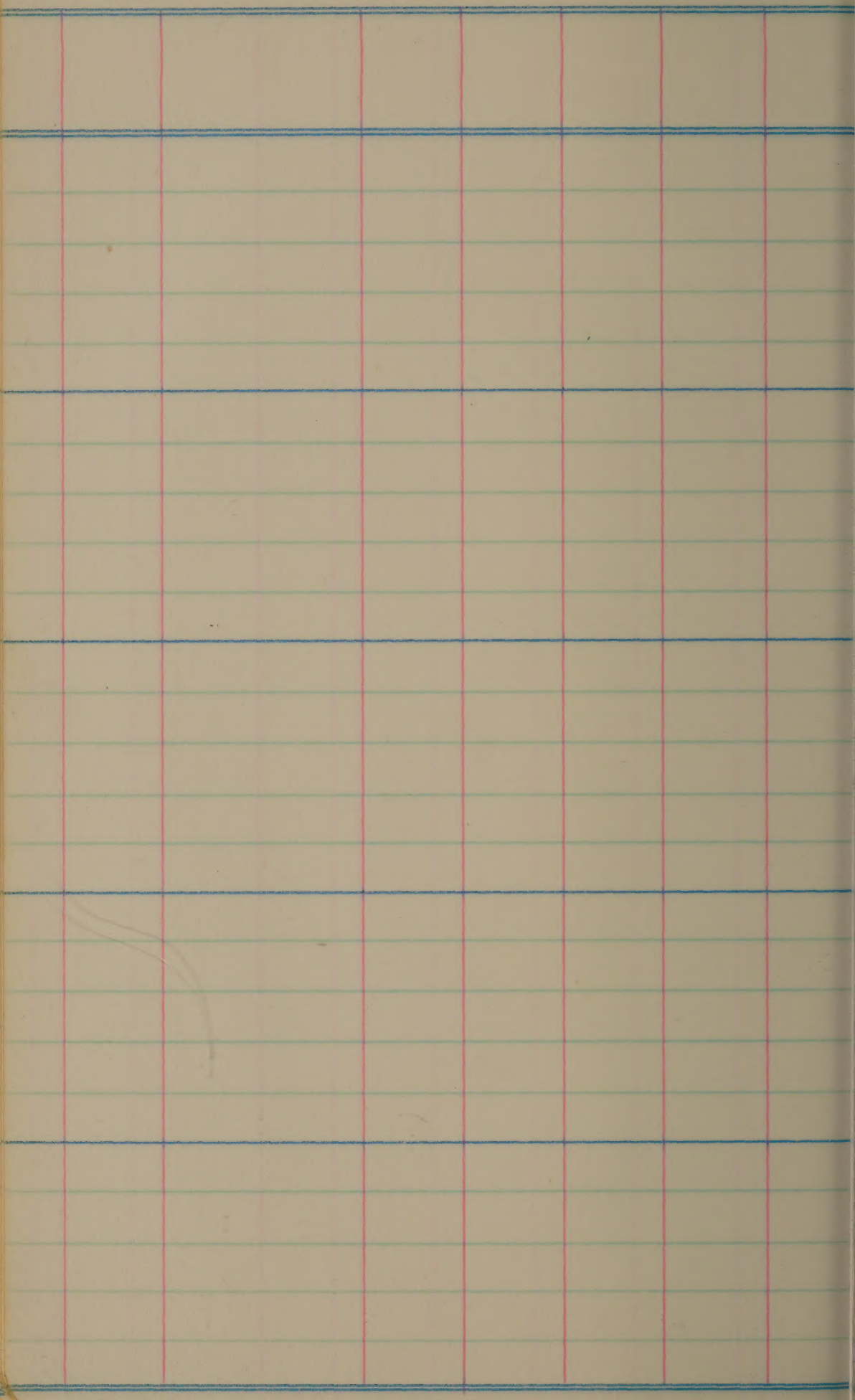


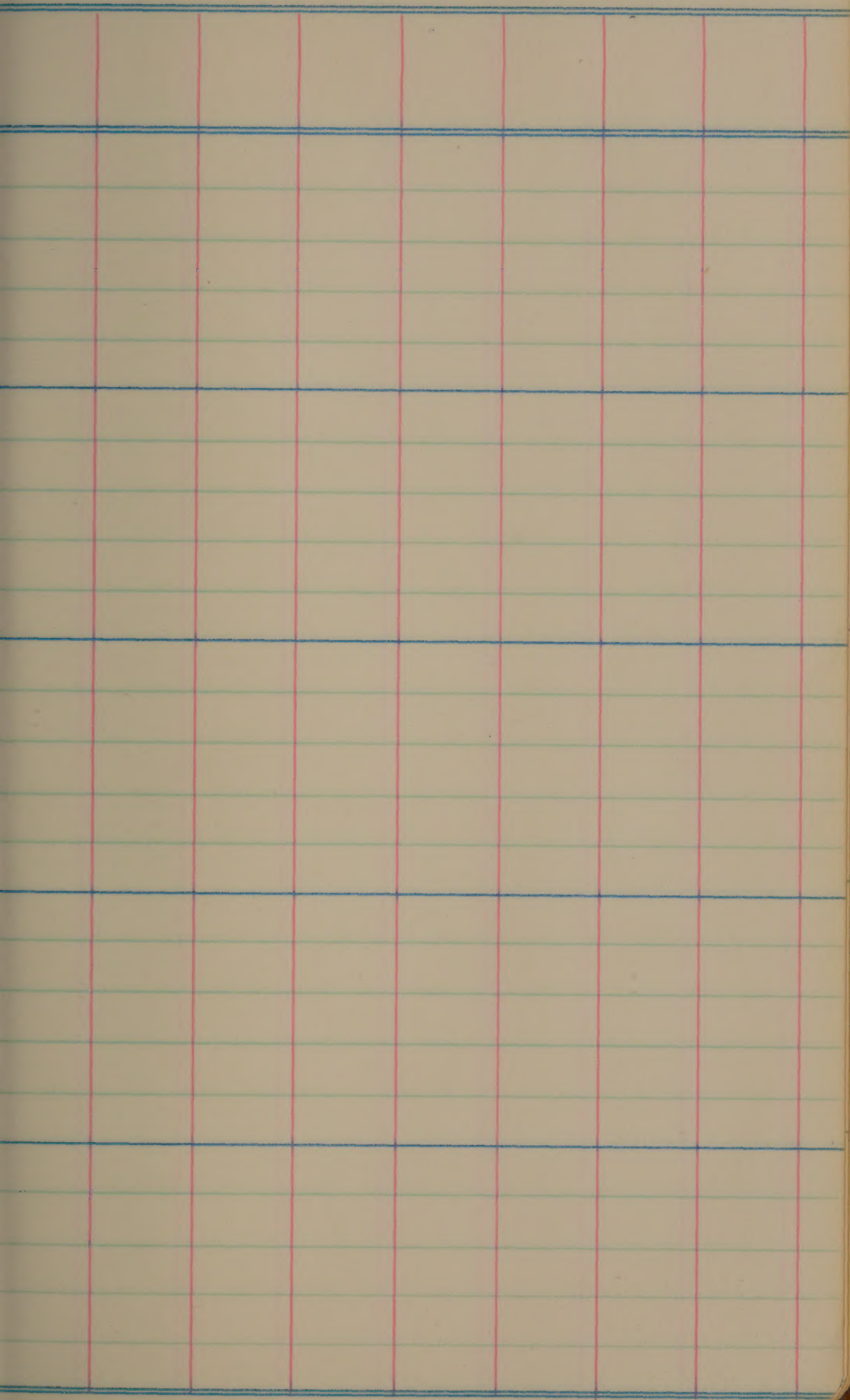


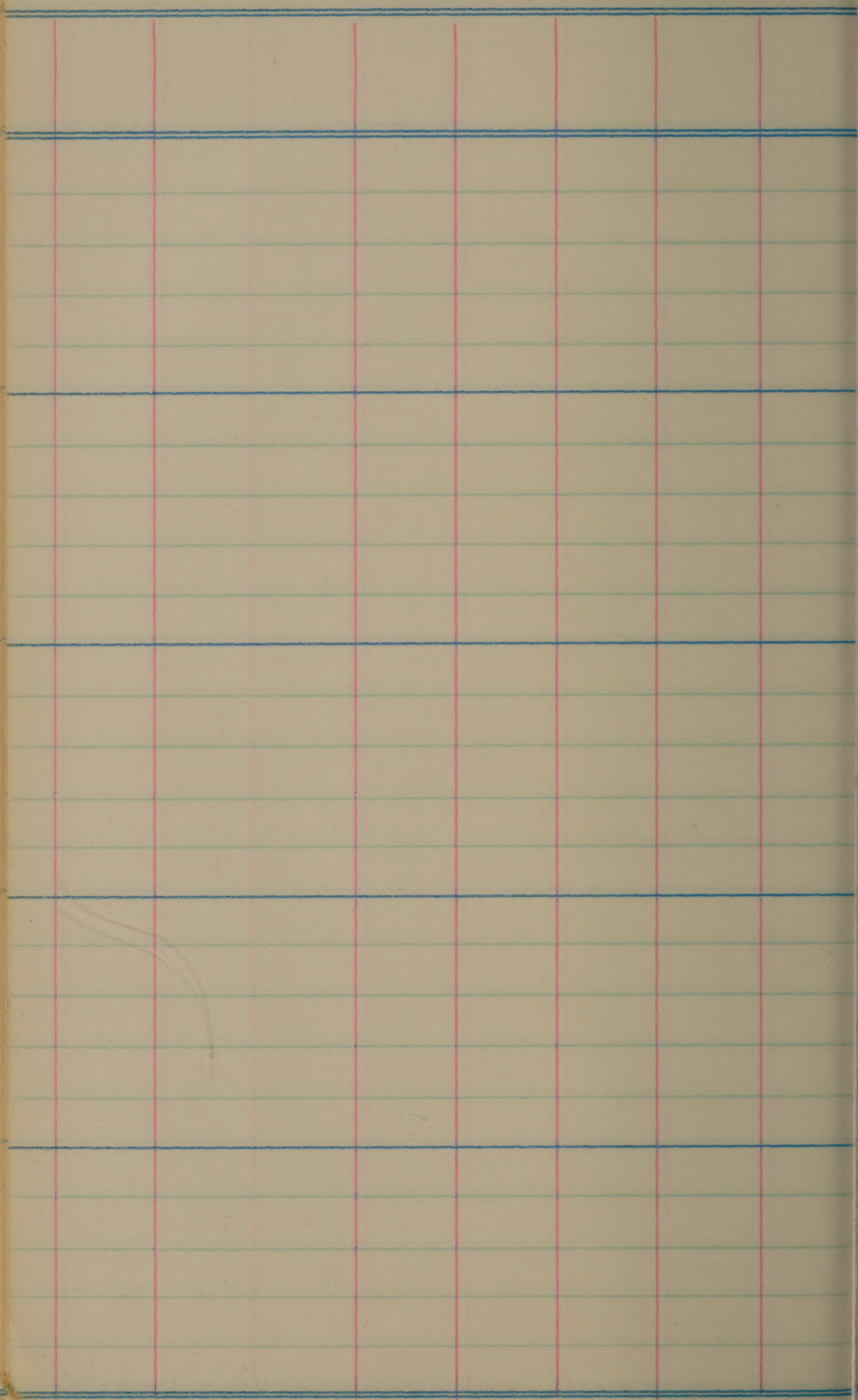


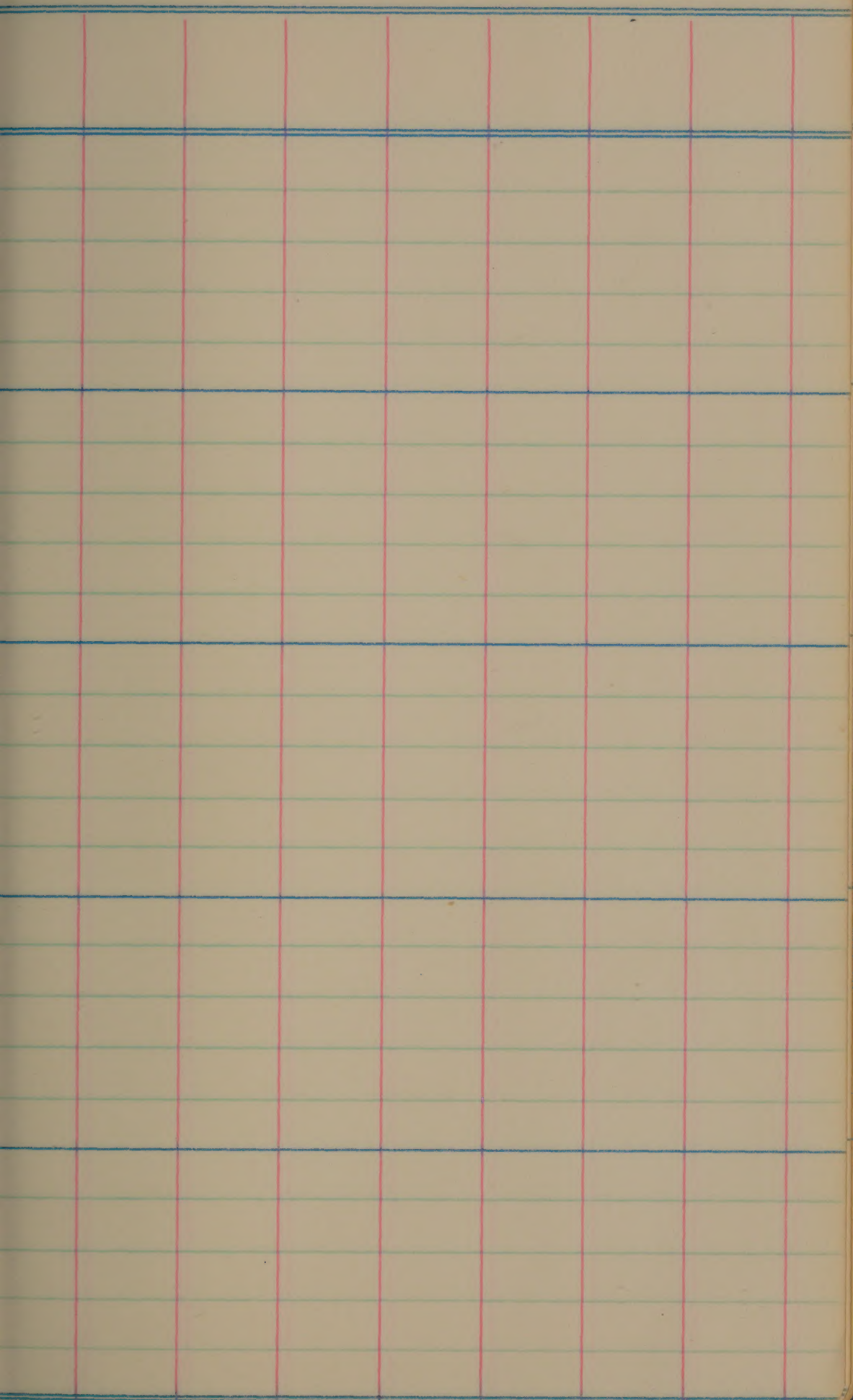


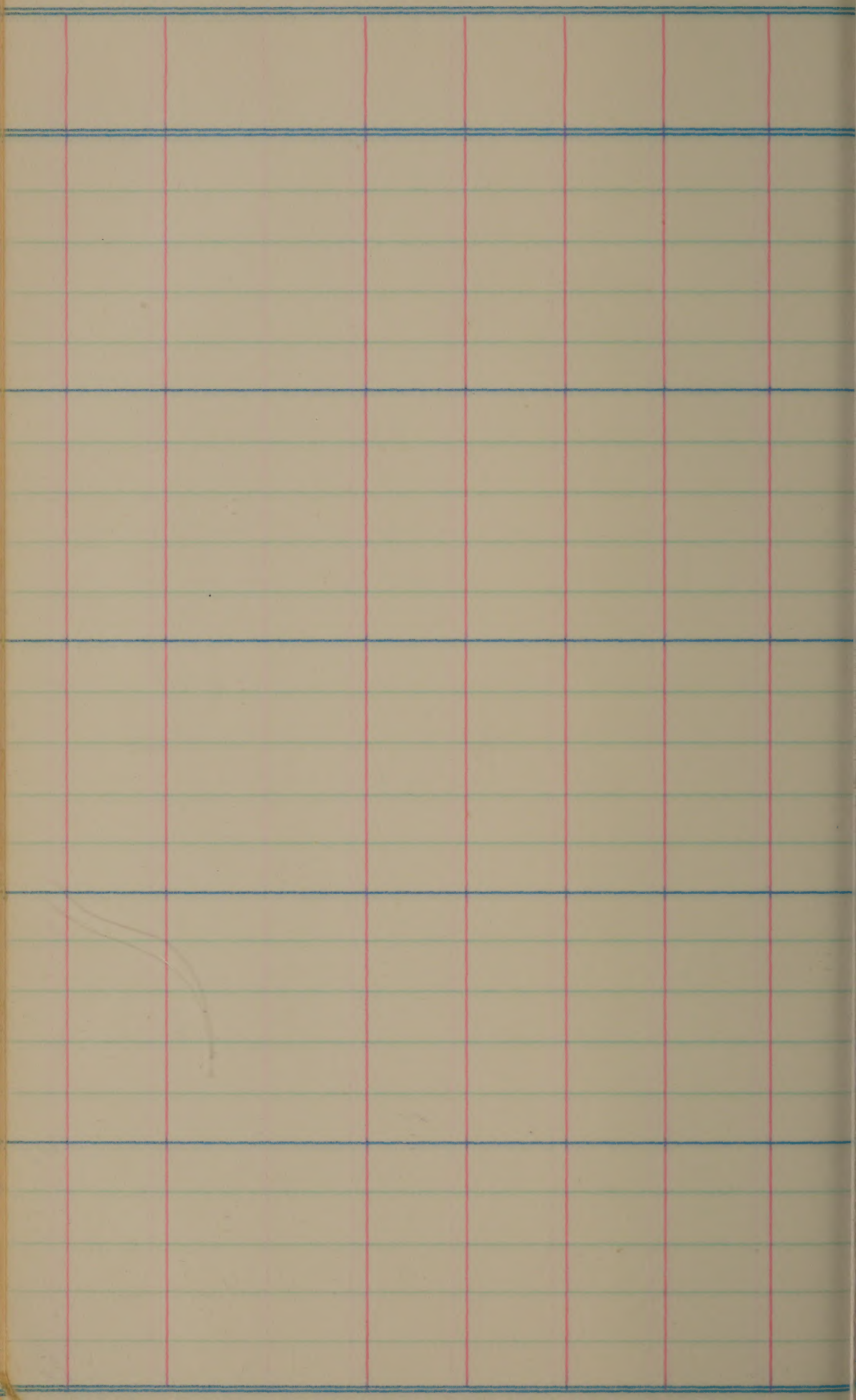


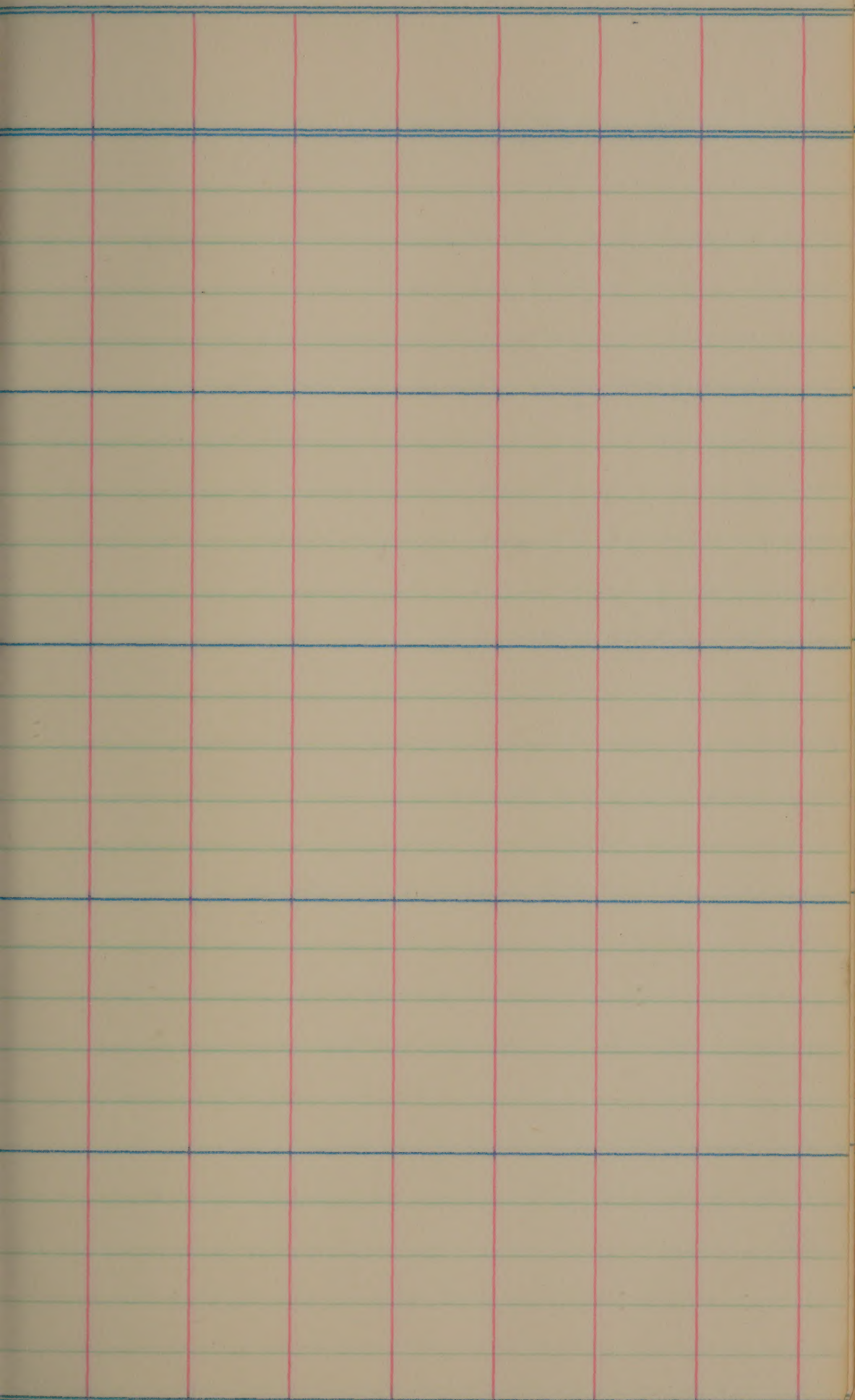


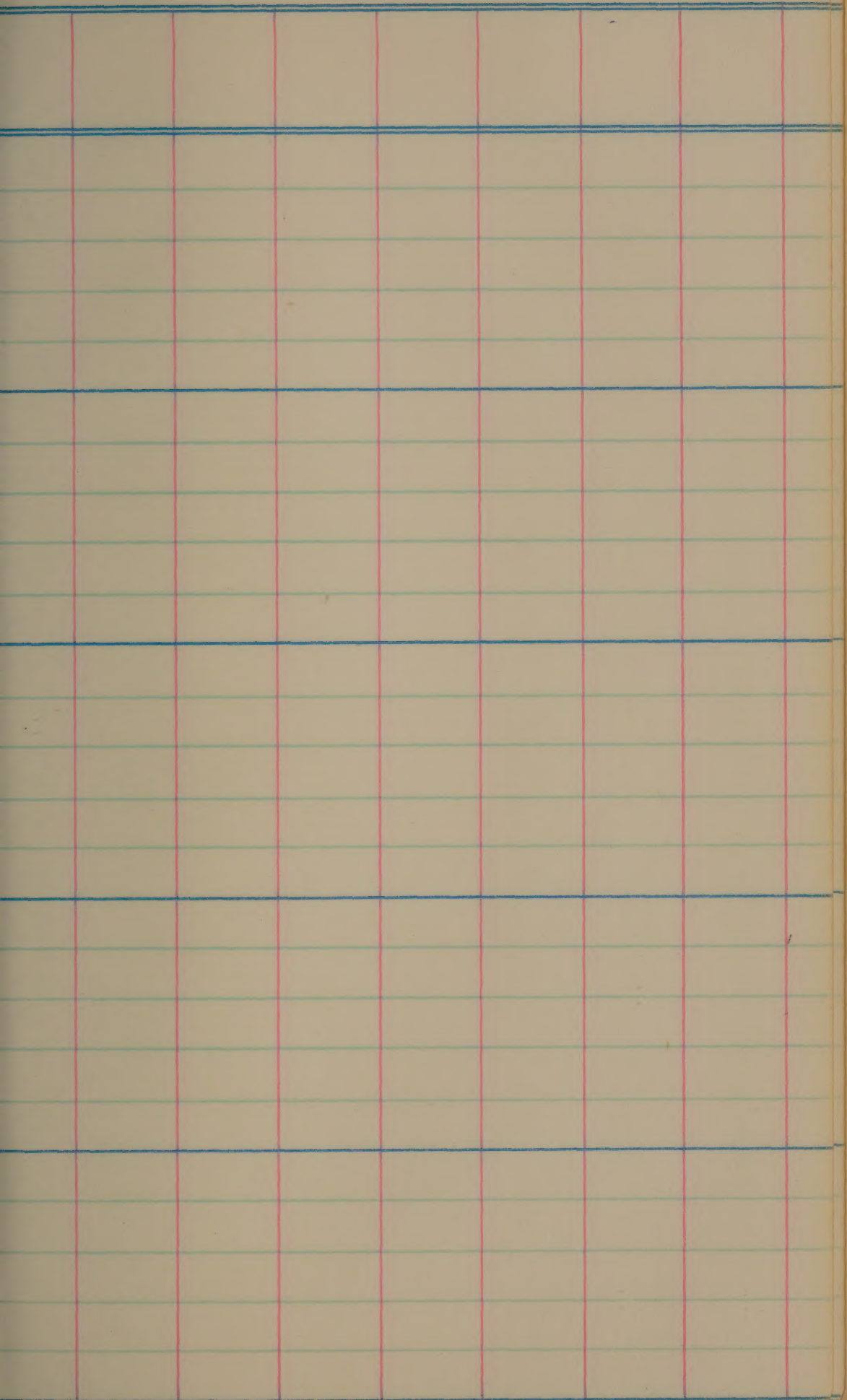


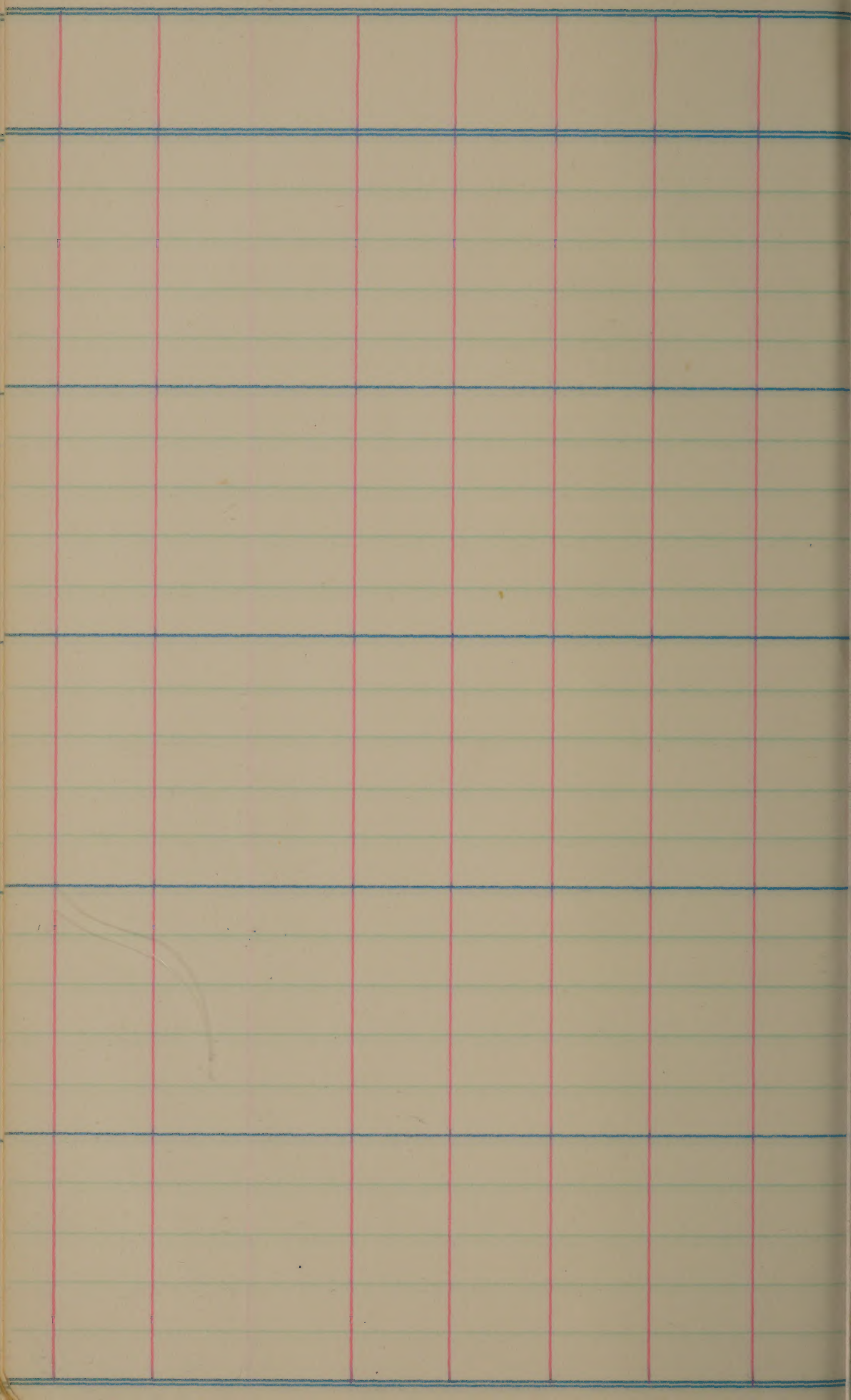


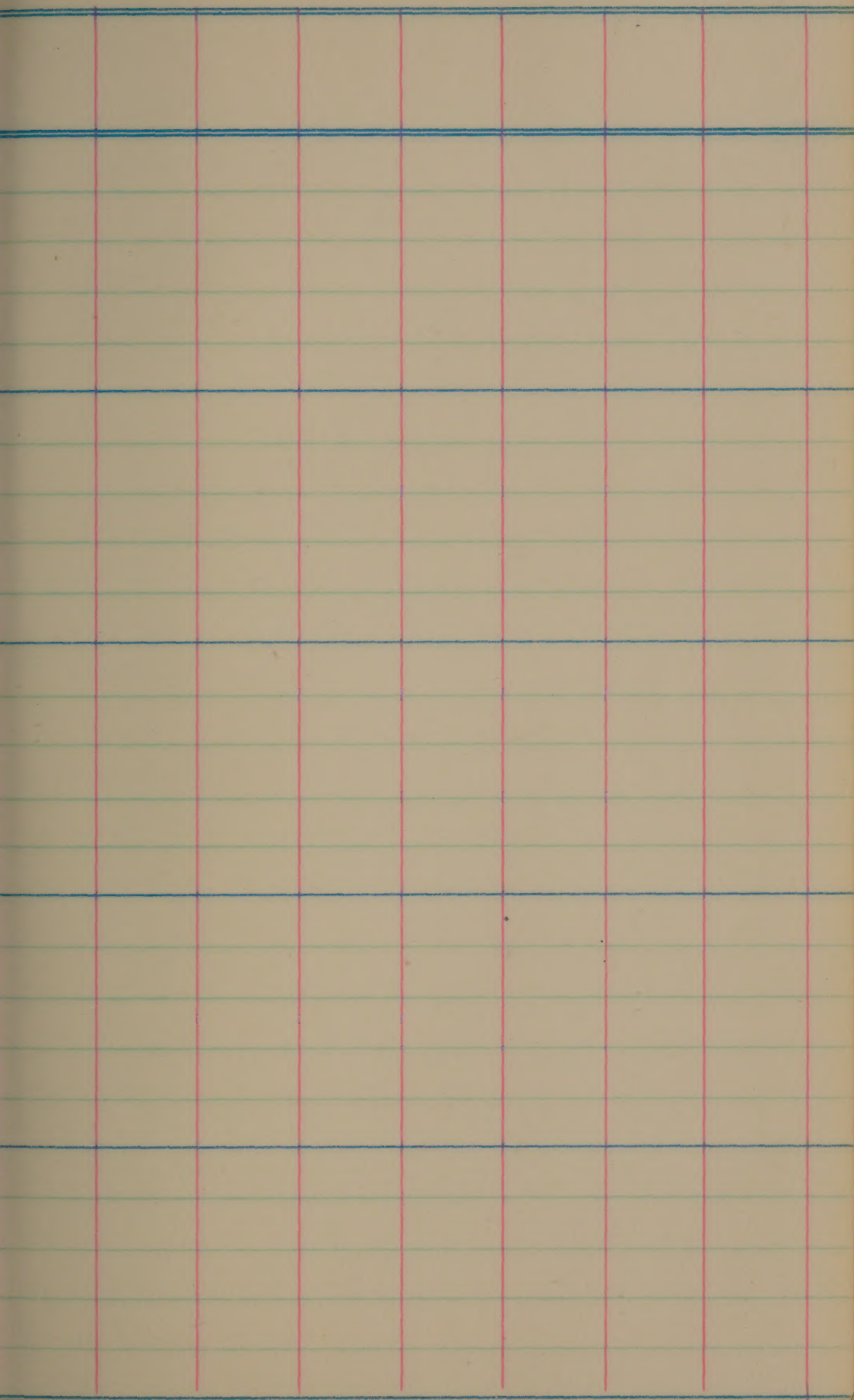


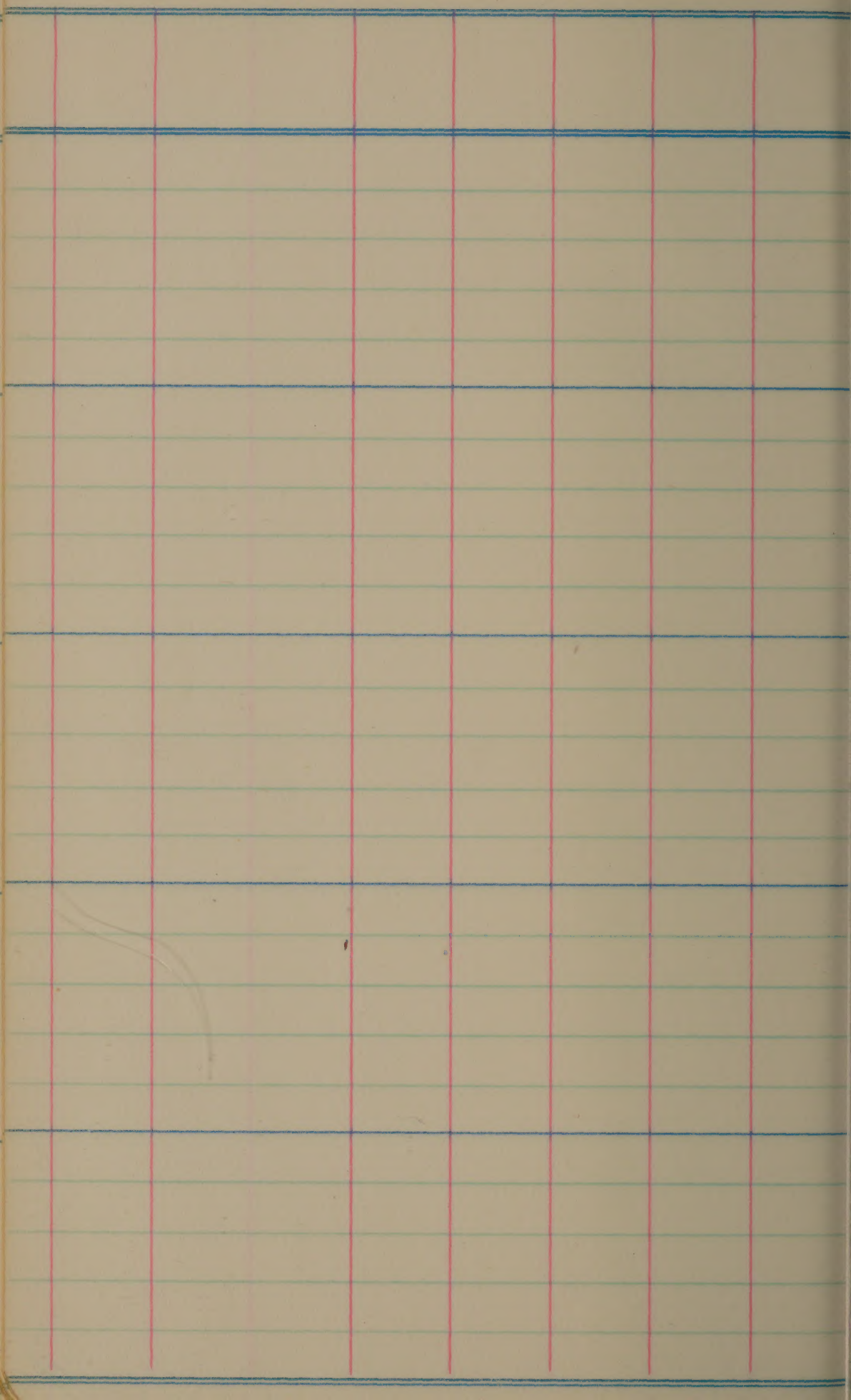


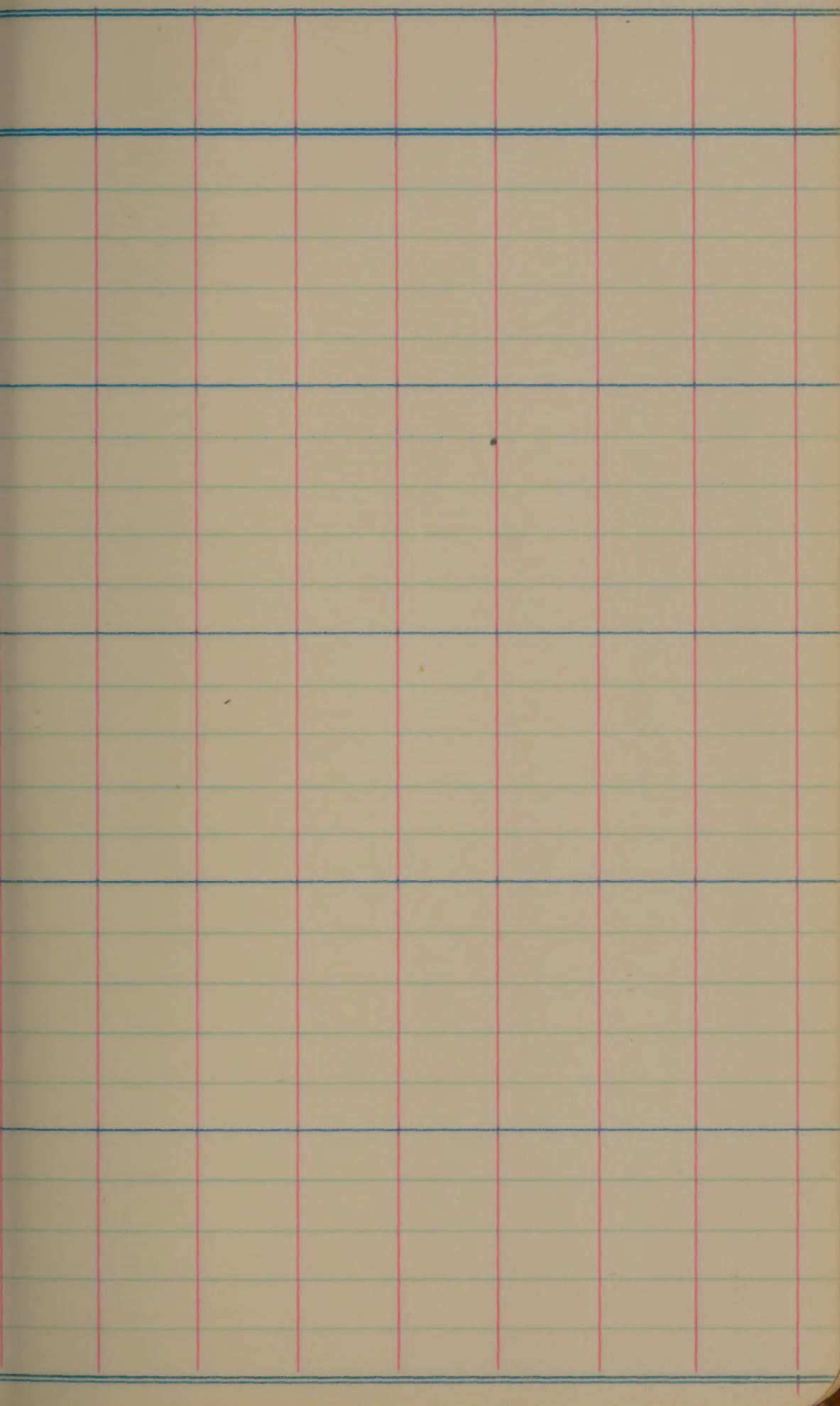


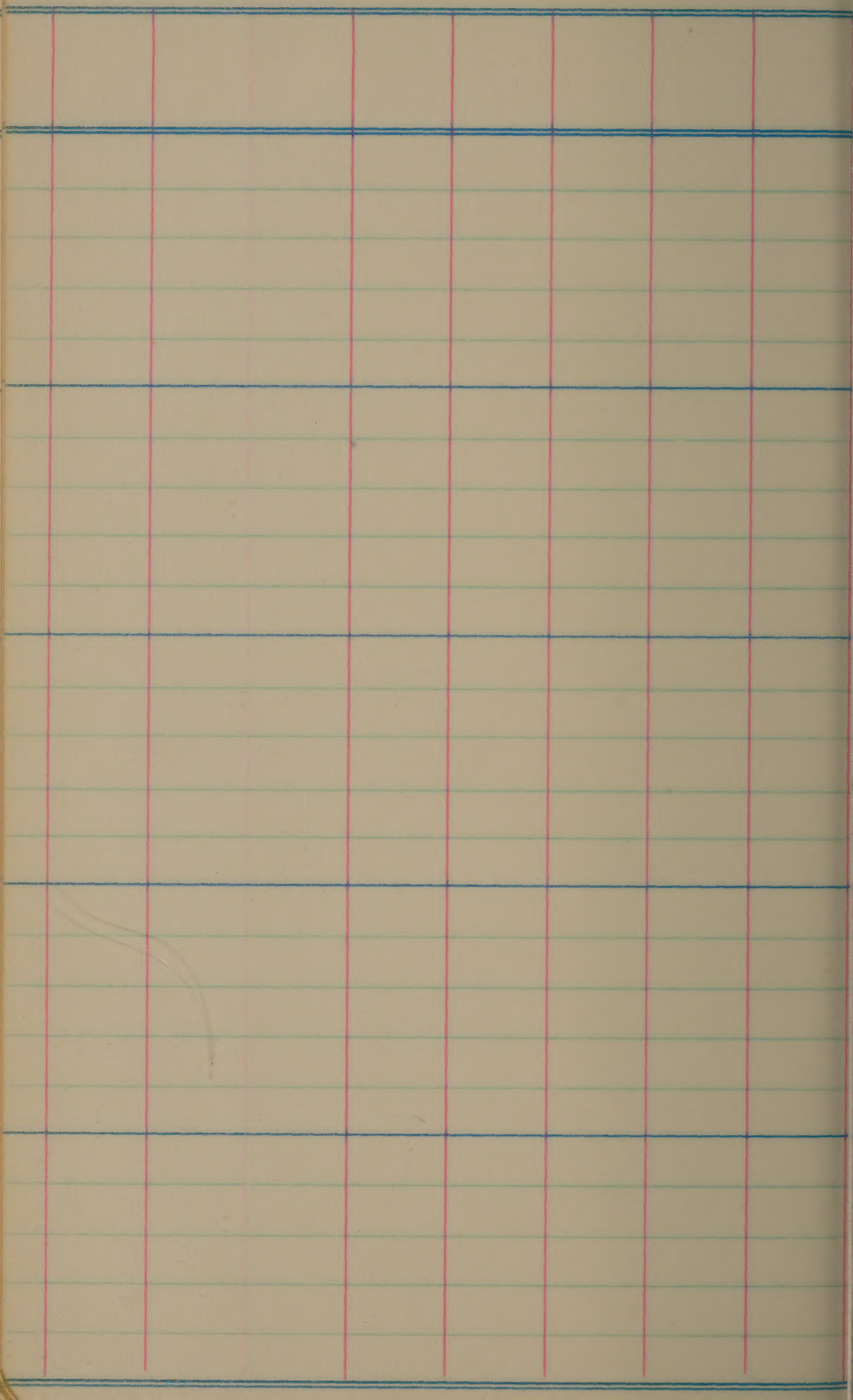


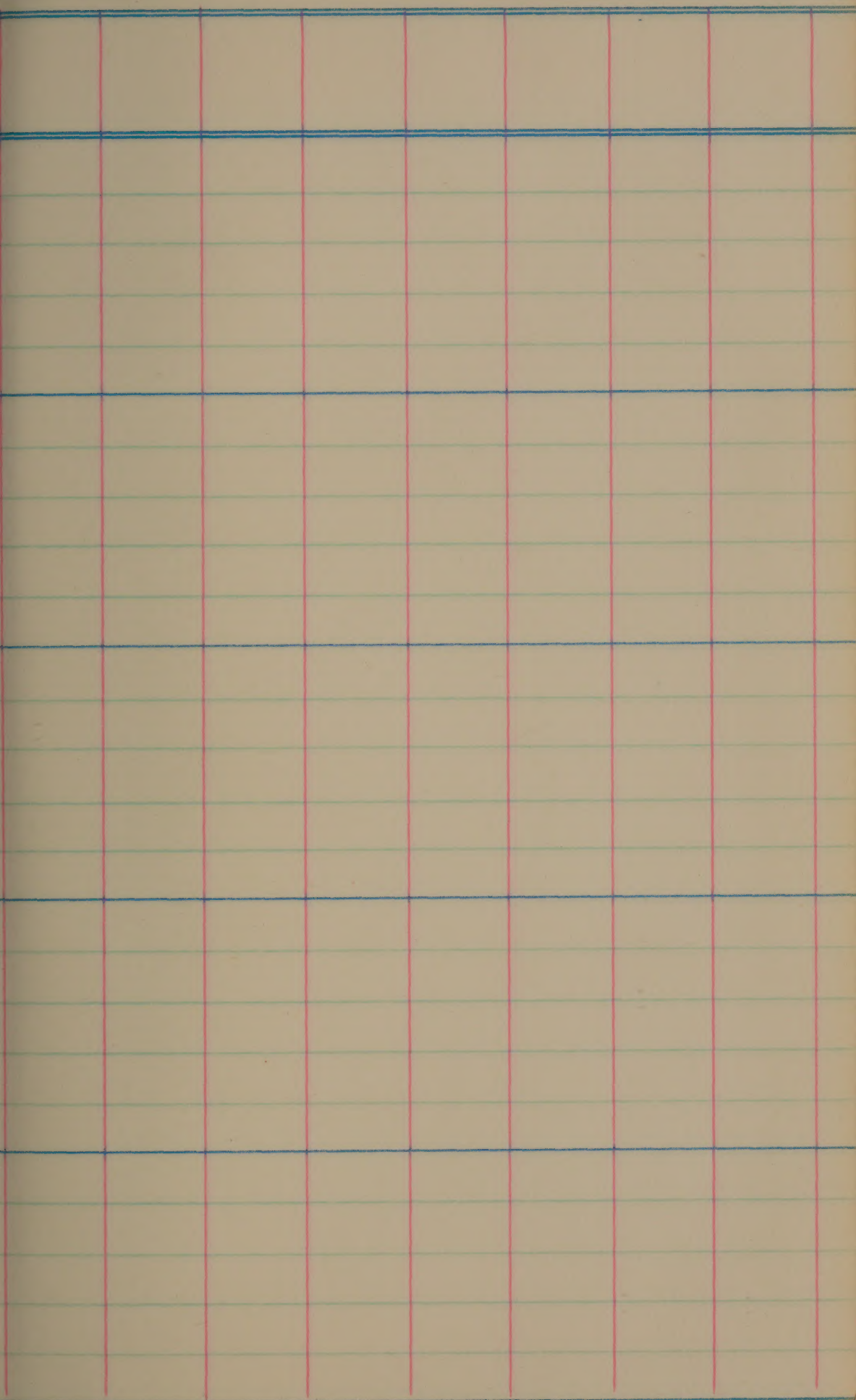


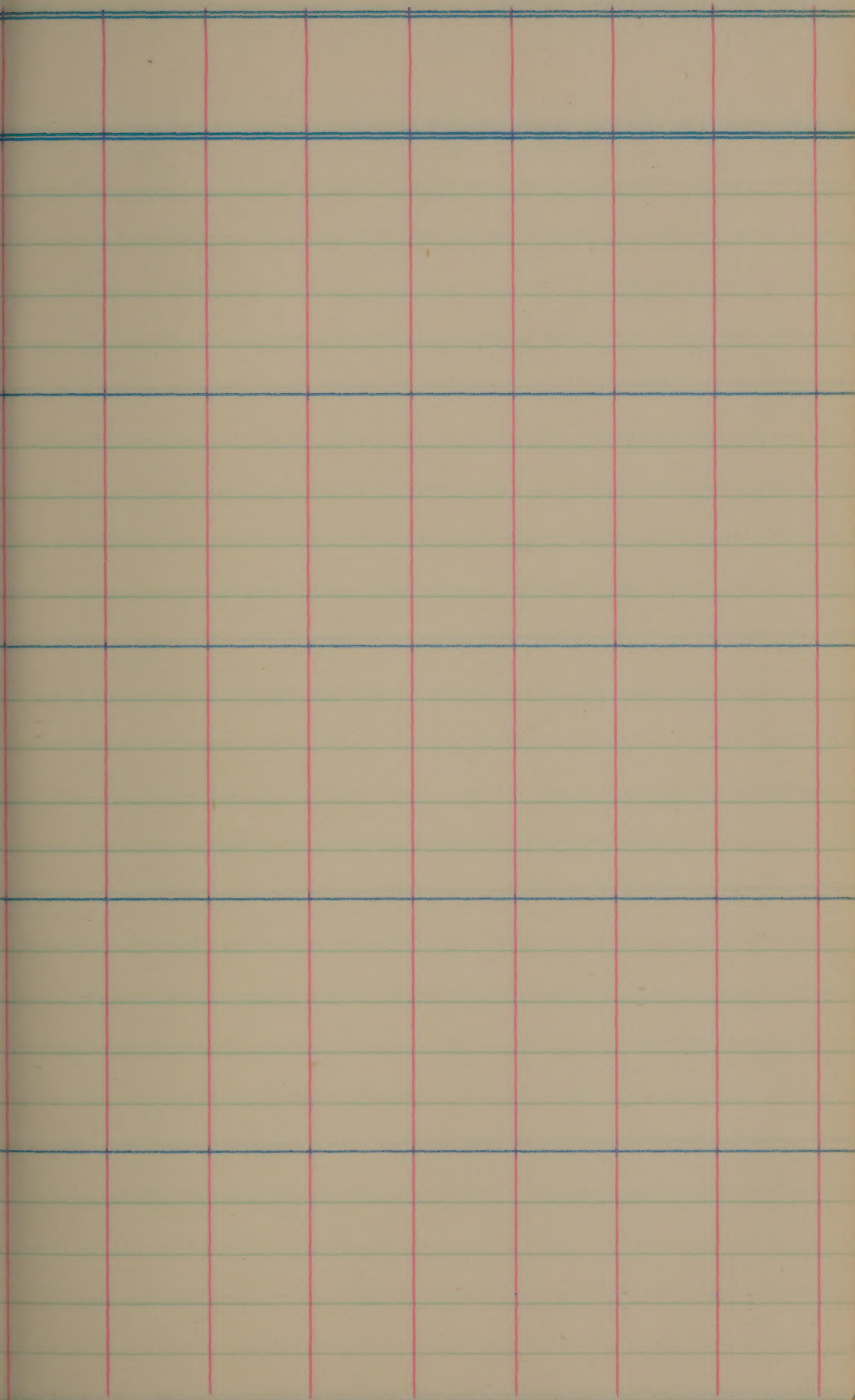


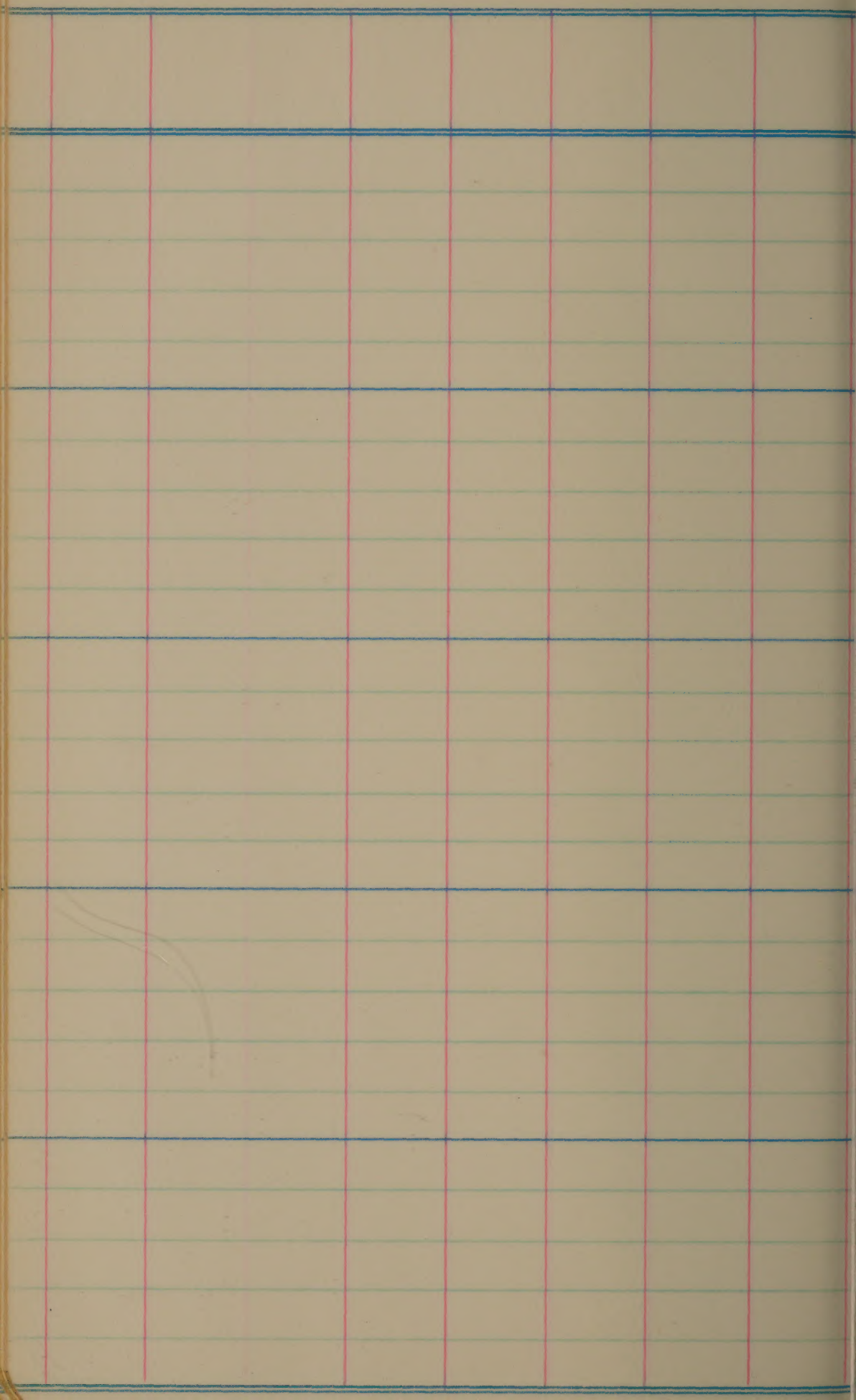


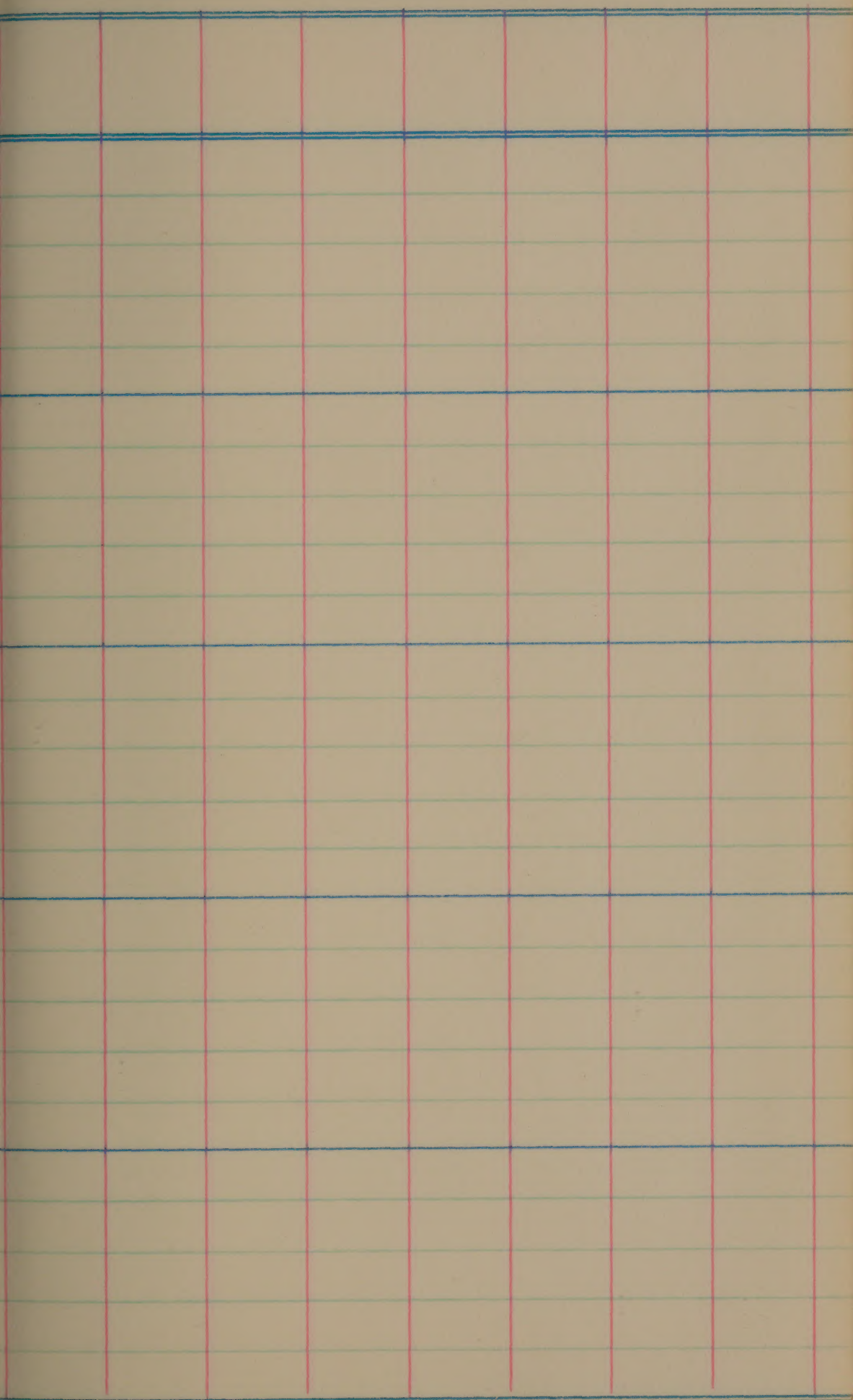


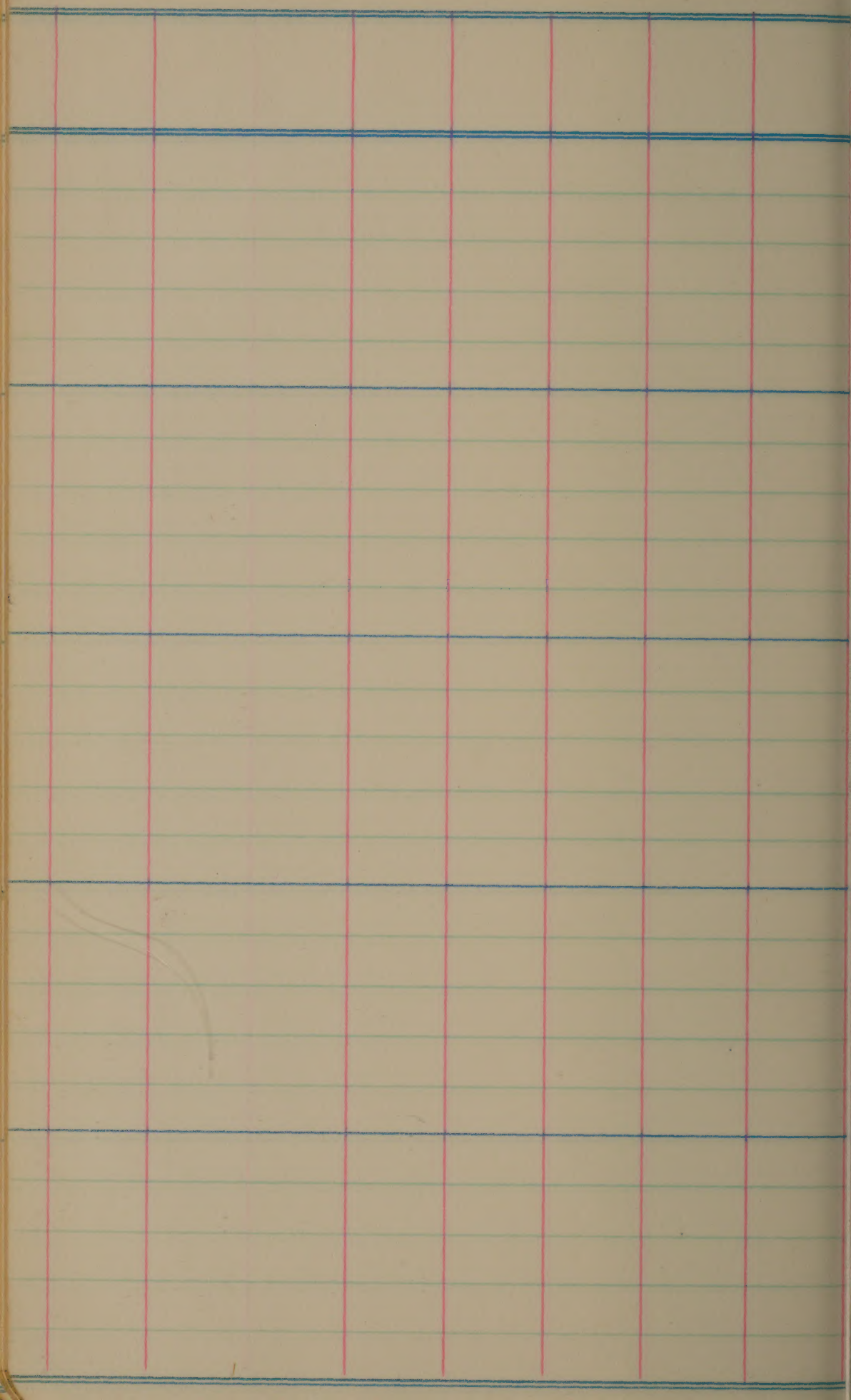


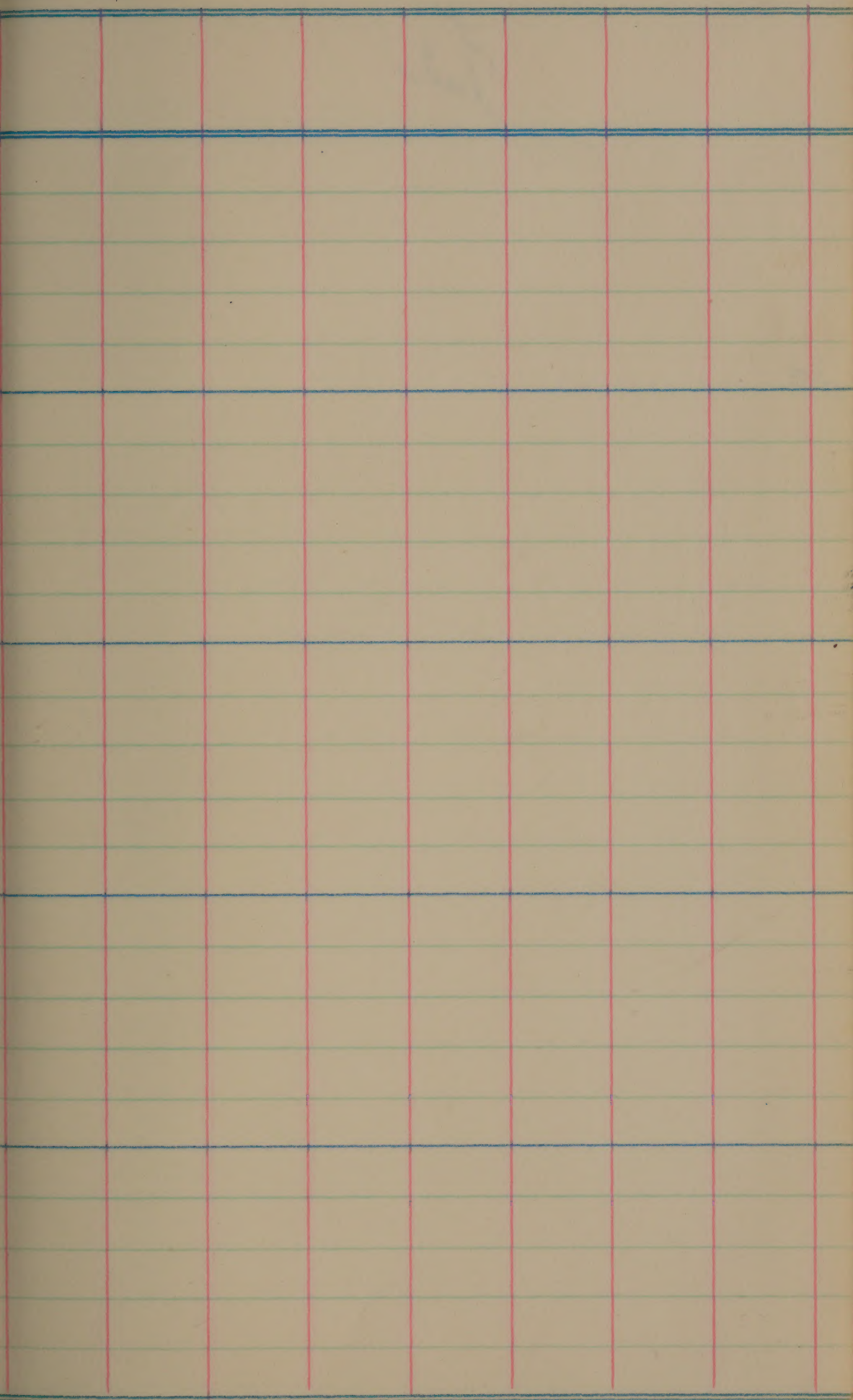




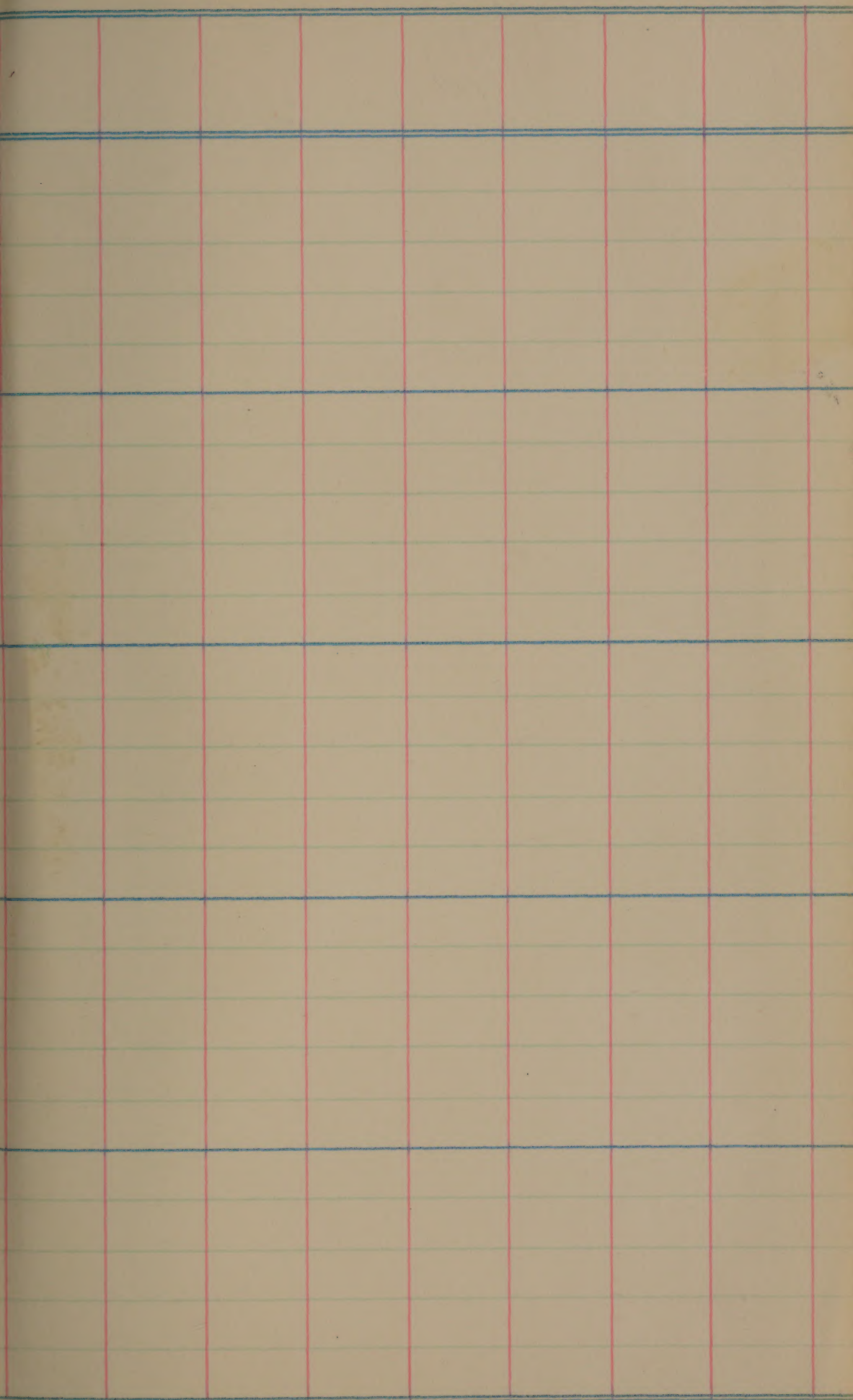








1st
head



Cross 36, 53, 54, or 55. with BB
for short straw.

114

126

cut guards of

6

132

133

137

140

~~110~~

~~112~~

114

115

116

127

128 ✓

129

130

131

134 ✓

135 ✓

✓✓ 99 ✓

✓✓ 101 ✓

✓✓ 102 ✓

✓ 103 ✓

✓✓ 106 ✓

✓ 408 ✓

113

119

114

23

115

25

166

25

26

may date april
cont.

2nd Block of April date only
block dry before all varieties
fully matured as of 10/16/52

If this notebook is lost will finder please mail to:

U. S. DEPARTMENT OF AGRICULTURE

Bureau of Plant Industry, Soils, and
Agricultural Engineering,

Division of Cotton and Other Fiber Crops
and Diseases

Washington 25, D. C.

16-61780-1

Imp 135t June date }
Rep + 7/8 in May date } still to be seen
11/17

*2 table 12 to 16 ft
to same form
1 small table*

SUGGESTIONS CONCERNING FIELD DATA AND NOTES

DIVISION OF COTTON AND OTHER FIBER CROPS AND DISEASES

It is suggested that the following general information be recorded for each field experiment:

1. Name of experiment or study.
2. Soil type.
3. Previous crops and fertilizers (2 years).
4. Preparation of land: (a) Methods (b) Dates
5. Size of plot:
 - (a) Area in square feet
 - (b) Number of rows
 - (c) Length of rows
 - (d) Width of rows
6. Fertilizer:
 - (a) Pounds per acre
 - (b) Analysis (N-P-K)
 - (c) Time of application
 - (d) Method of application
 - (e) Side dressings
7. Planting: (a) Date (b) Rate (c) Method
8. Thinning: (a) Date (b) Method (c) Approximate optimum spacing attempted
9. Cultivation: (a) Implements used (b) Dates
10. Dates at which all notes and samples are taken.
11. Dates of pickings.

The following suggestions are made in regard to recording data:

1. Record all dates as figures, giving the month and day of month, as 5/16 (May 16).
2. Record all field weights in pounds and decimal fractions of pounds. The requisite accuracy depends somewhat on the size of sample, but for ordinary size plots 0.1 pound is usually satisfactory. It is suggested that small samples be weighed more accurately (0.01 pound).
3. Estimations, such as seeding vigor, shedding, color, etc., may be recorded either numerically or with letter designations, as is found convenient; for example (seeding vigor), 1=Excellent, 2=Good, 3=Medium, 4=Fair, and 5=Poor; or E=Excellent, G=Good, M=Medium, F=Fair, and P=Poor. An explanation of legends should be recorded for each variable and experiment.
4. Diseases and insect pests.
 - (a) GENERAL.—Attack by diseases or insect pests should be recorded by suitable legends to indicate type of disease or pest, percent of plants killed or affected, and in serious attacks, estimating crop loss. For example, FW *5/35-7. (Footnote* Fusarium wilt 5 percent plants killed, 35 percent affected, 7 percent loss estimated).
 - (b) SPECIAL.—Where the book is used for taking notes on regional field tests on disease resistance, treatments, etc., it is suggested that directions which are furnished for taking uniform data be pasted, or copied, in the front of the book.
5. Diagram, to scale, the block on which each experiment is conducted, showing visible soil differences, variable plant response attributable to soil differences, drainage, or unequal irrigation, slope of land or contours, and any other features which may materially assist in interpreting the results. The square ruled paper in the front of the book may be found useful for this purpose.
6. Explain clearly all legends used.
7. Identify all experiments as to location on blocks and YEAR.

For types of experiments for which this book does not provide ample page space, larger sheets should be utilized. In taking data, which are to be reported in this book, or on larger sheets especially provided, the field or laboratory determination should be written directly at the time of weighing or otherwise determining, and submitted to Washington, or filed as the permanent record. Avoid all possible transcribing or typing of raw data.

Samples sent to Comerted for
Processing for Campbell Soup Lab
tests

	Date	March	May	June
Century Patna				
Texas Patna	"	"	"	
TP 49	"	"	"	
Rexon	"	"	"	
7/8 Rexon	"	"	"	
Blushant	"	"	"	June
BST 50	"	"	"	"
Dry BST	"	"	"	"
B459A1-95	"	"	"	"

Rexark
Cal. 47-1470
R x L

Rogue

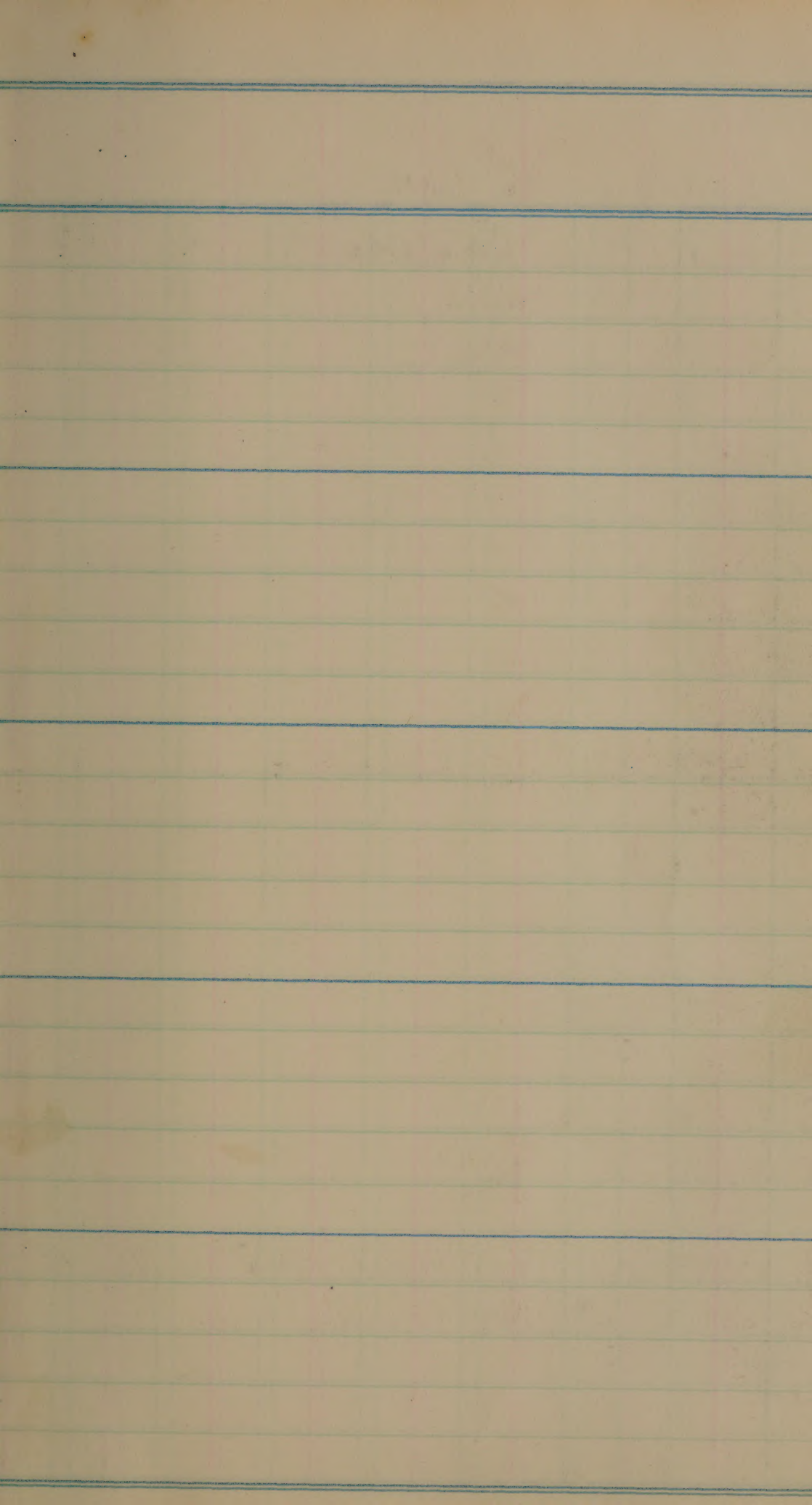
~~B45 280~~

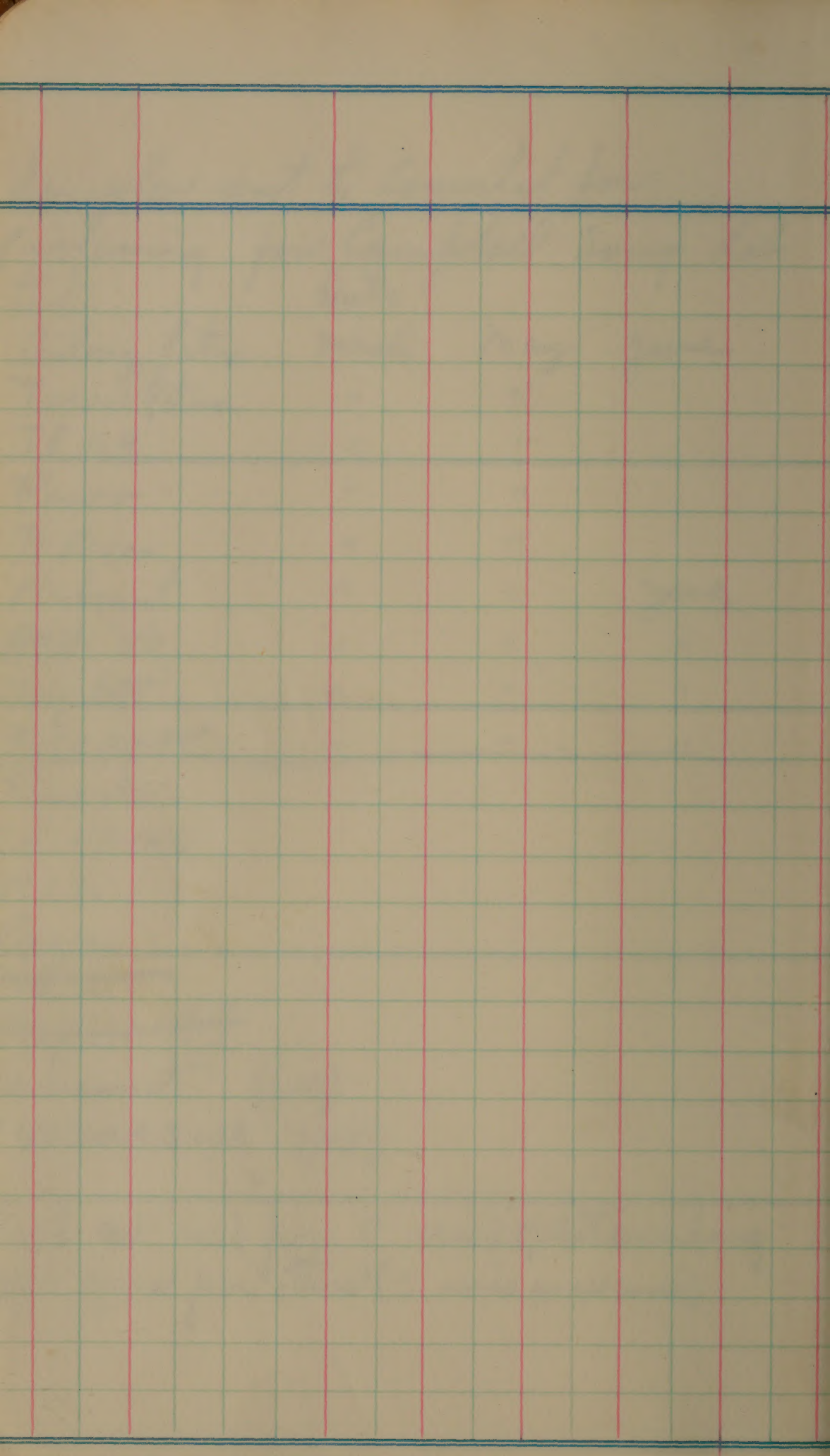
~~B4527A1 487~~

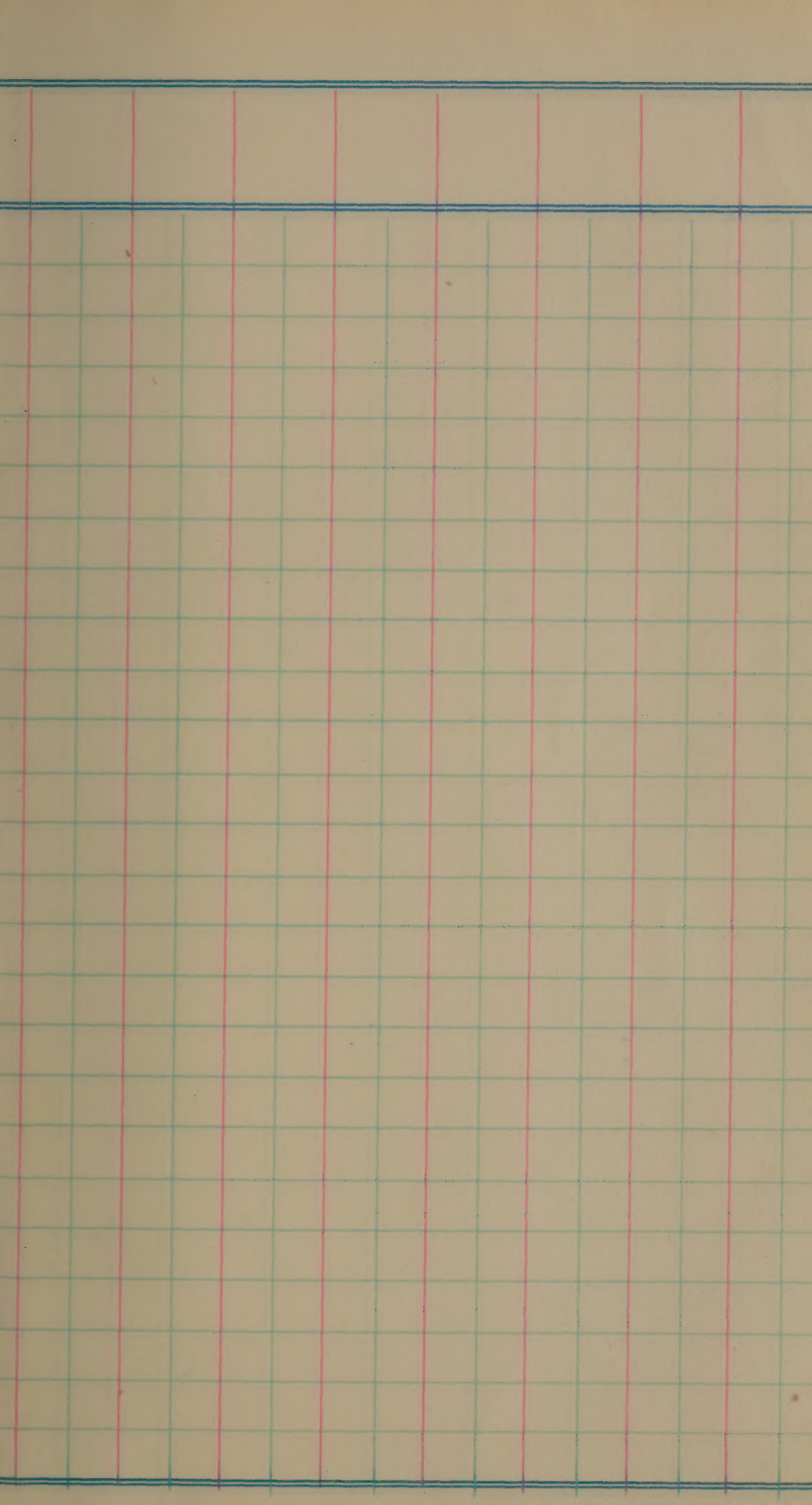
Sunbonnet (68)

B4030A3-13 (115)

Sent all seed from C series of date seedling
300 gms from others (C series in all cases)

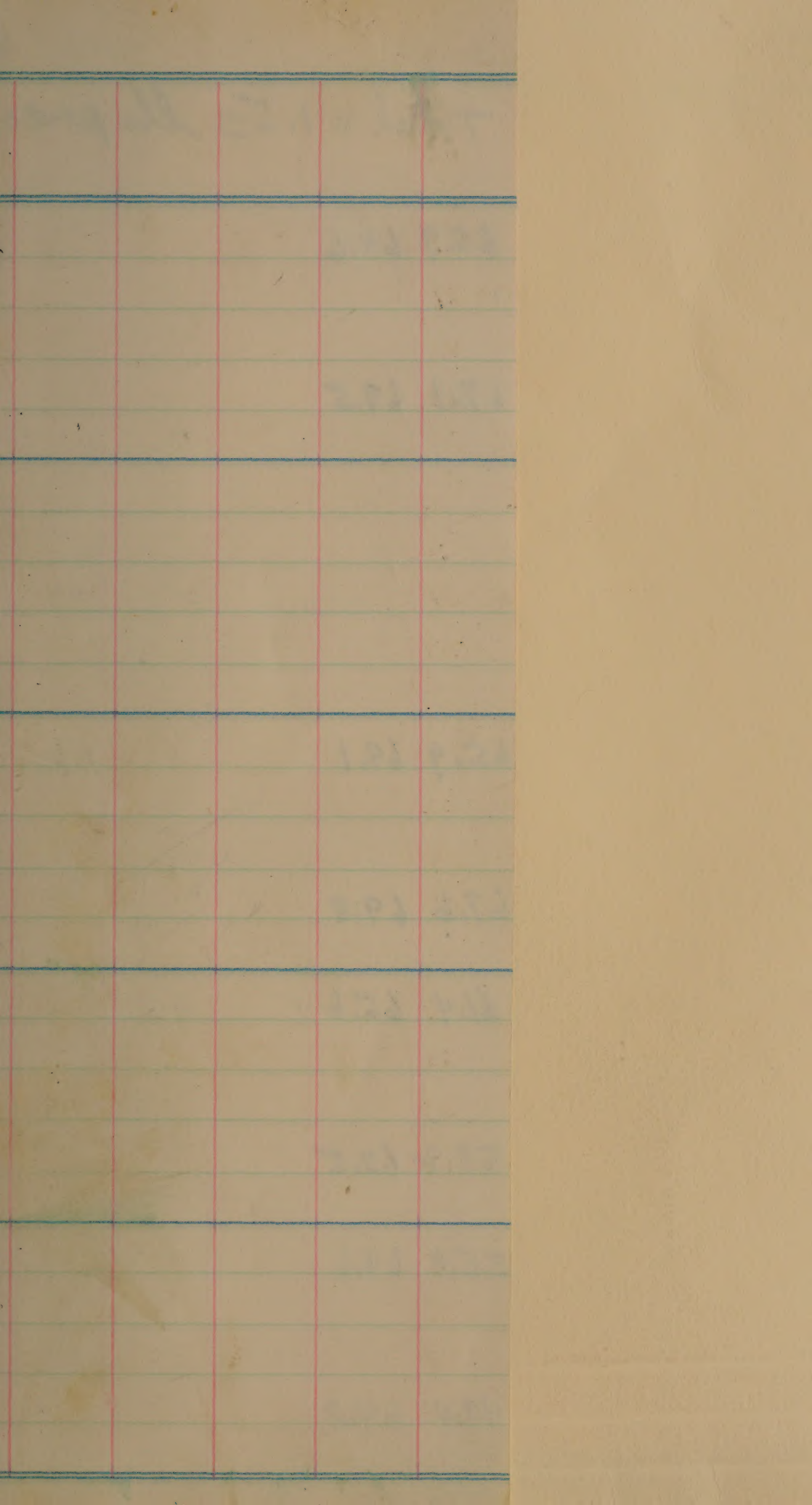






1 March 11, date

		1st		fuel in pl	
141	ZENITH C.I. 7787	1	7/6	8/1	47
		21	7/3		
		40	7/5	8/1	47
		60	7/5		
			7/5	8/1	47
142	B45-15-5-10-2 Hill Mod xZ	2	6/30	7/31	42
		24	6/30	7/31	
		38	6/29	7/31	44
		58	6/29		
			6/30	7/31	43
143	Magnolia C.I. 8318	3	6/28	8/2	44
		22	6/28	8/2	
		39	6/29	8/2	46
		57	6/30		
			6/29	8/2	45
144	Century Patna	4	7/2	8/5	43
		23	7/2		
		37	7/2	8/5	44
		59	7/3		
			7/2	8/5	42
145	Texas Patna C.I. 8321-1	5	8/9	8/18	9/15
		31			55
		35	8/9	8/18	9/15
		50			56
			8/9	9/15	56



Total $\times 1.5 =$ lbs per acre

65.7 68.6

67.1 69.5

65.9 69.1

67.6 69.8

61.4 65.6

58.2 63.5

55.9 64.6

49.8 64.8

correct to 14% moisture

milling

10.50	354	106.4 65.7	111.1 68.6	368
10.25	463			483
10.00	450			471
10.50	510	108.7 67.1	112.6 69.5	<u>531</u>
				1853 2780
11.20	340	103.0 63.6	107.6 66.4	351
11.20	494			510
11.20	383			395
11.75	476	105.5 65.1	109.0 67.3	<u>488</u>
				1744 2616
10.20	301	106.8 65.9	111.9 69.1	314
10.00	345			361
9.90	328			344
10.22	462	109.5 67.6	113.1 69.8	<u>482</u>
				1501 2252
10.63	448	99.5 61.4	106.3 65.6	466
10.49	560			583
10.63	385			400
10.77	501	94.3 58.2	102.9 63.5	<u>520</u>
				1969 2954
10.17	771	90.6 55.9	104.7 64.6	805
10.77	820			851
10.63	609			633
10.63	538	80.7 49.8	105.0 64.8	<u>559</u>
				2848 4272

03-12, 7/8 Rex
146

6 8/19 , 10/10 56
32
36 8/19 9/4 9/26 53
51
8/19 9/26 55

T. Patna 49
147

7 8/9 8/15 9/19 54
30
33 8/9 8/15 9/19 50
49
8/9 9/18 52

Rexoto
148

8 8/19 56
29
34 8/19 9/6 9/26 53
52
8/19 9/26 55

Improved Bluebonnet
149

9 7/24 8/4 8/25 52
20 7/22
41 7/24 8/3 8/25 50
62 7/23
7/23 8/25 51

B459A1-95-9
150 Hill Sel x
Rexark

10 7/20 7/28 8/23 45
17 7/18 7/29
44 7/19 7/29 8/23 45
61 7/19
7/19 8/23 45

10.92

10.92

10.92

10.92

10.92

10.92

10.92

10.92

10.92

10.92

10.92

10.92

47.6 70.1

53.7 71.1

53.7 68.9

45.8 62.2

59.2 69.3

58.8 68.6

10.92 725 77.0 113.6
47.5 70.1

751

10.92 662

686

10.98 656

680

10.77 719 87.0 115.2
53.7 71.1

747

2864 4296

10.59 725 87.0 111.6
53.7 68.9

753

10.44 607

633

10.58 680

707

10.58 657 74.2 100.8
45.8 62.2

683

2776 4164

11.17 598 95.9 112.3
59.2 69.3

617

11.32 717

740

11.17 634

655

11.17 568 95.3 111.1
58.8 68.6

587

2599 3899

11.37 717

739

11.37 770

794

11.37 594

612

11.37 552

569

2714 4071

11.37 633

652

11.37 581

599

11.47 571

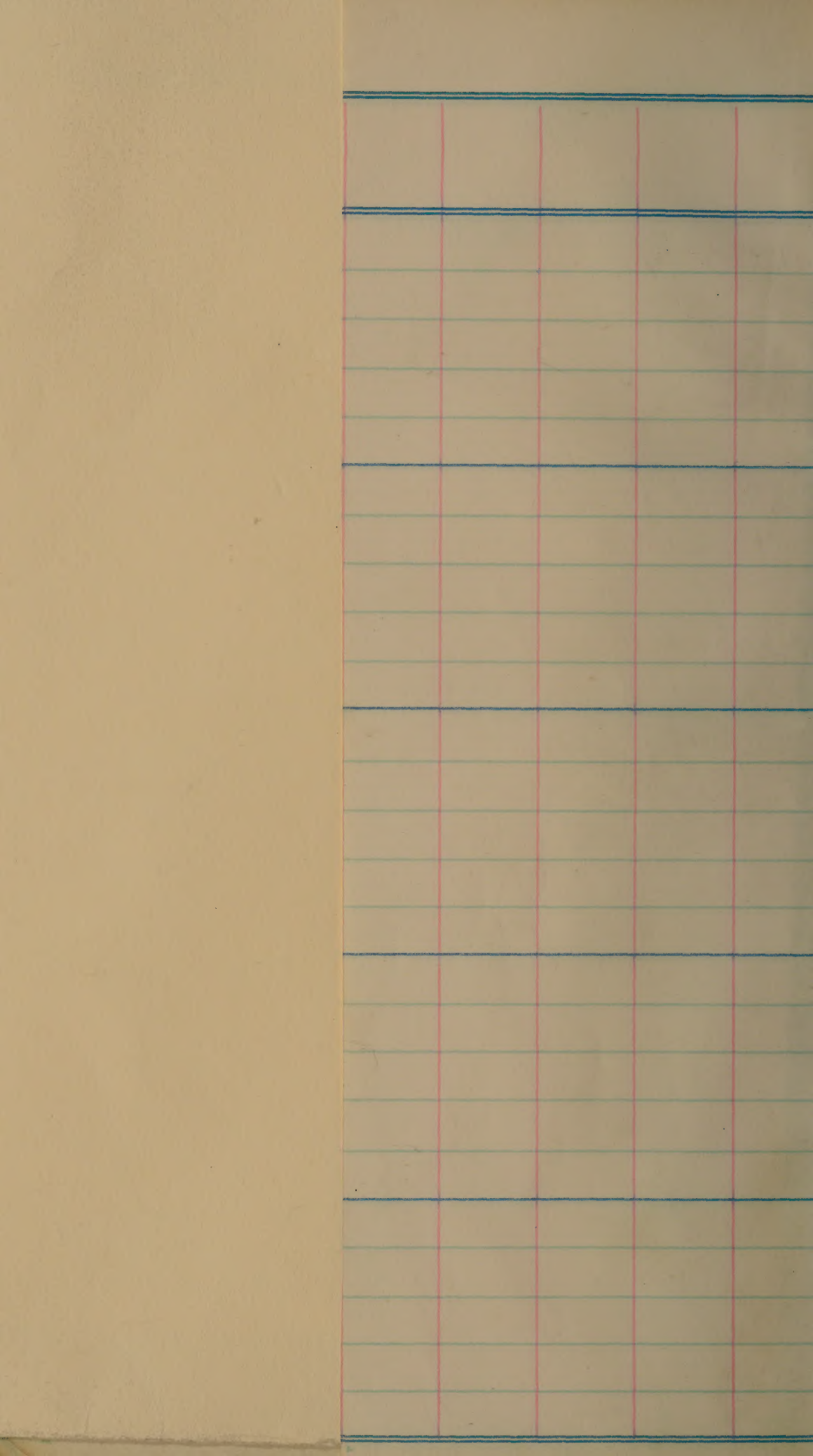
588

11.62 616

633

2472 3708

151	Bluebonnet	11	7/22	7/31	8/20	52 ^{8/20}
	C.I. 8322	19	7/21	7/30		
		43	7/20	7/30	8/20	55
		64	7/21			
			7/21		8/20	54
152	Bluebonnet 50	12	7/19	7/29	8/18	49 ^{8/18}
		18	7/19	7/28		
		42	7/19	7/28	8/18	48
		63	7/19			
			7/19		8/18	49
153	B438A1-104-4,	13	8/12	8/17	9/21	51
	Sm BR-BR41 x	27				
	8326	45	8/11	8/17	9/19	50
	cut 10/10	55				
			8/12		9/20	51
154	C6-I-25-12,	14	8/13	8/17	9/20	56
	BR x BR-R	25				
		48	8/12	8/17	9/19	54
	cut 10/10	56				
			8/13		9/20	55
155	Blue Rose	15	8/11	8/16	9/16	59
	C.I. 1962	26				
		46	8/11	8/16	9/16	56
		54				
		cut 10/10		8/11		9/16



11.32 569

11.47 760

11.47 509

11.32 515

587

782

524

531

2424 3636

11.47 590

607

11.47 475

489

— 550⁺ dol. yield

11.32 538

555 2201 - 3302

1651 2477

10.50 698

726

10.50 745

775

10.50 538

560

9.90 600

629

2690 4035

10.50 661

688

10.50 804

837

10.50 503

523

10.50 483

503

2551 3827

9.70 707

742

9.95 623

652

9.95 631

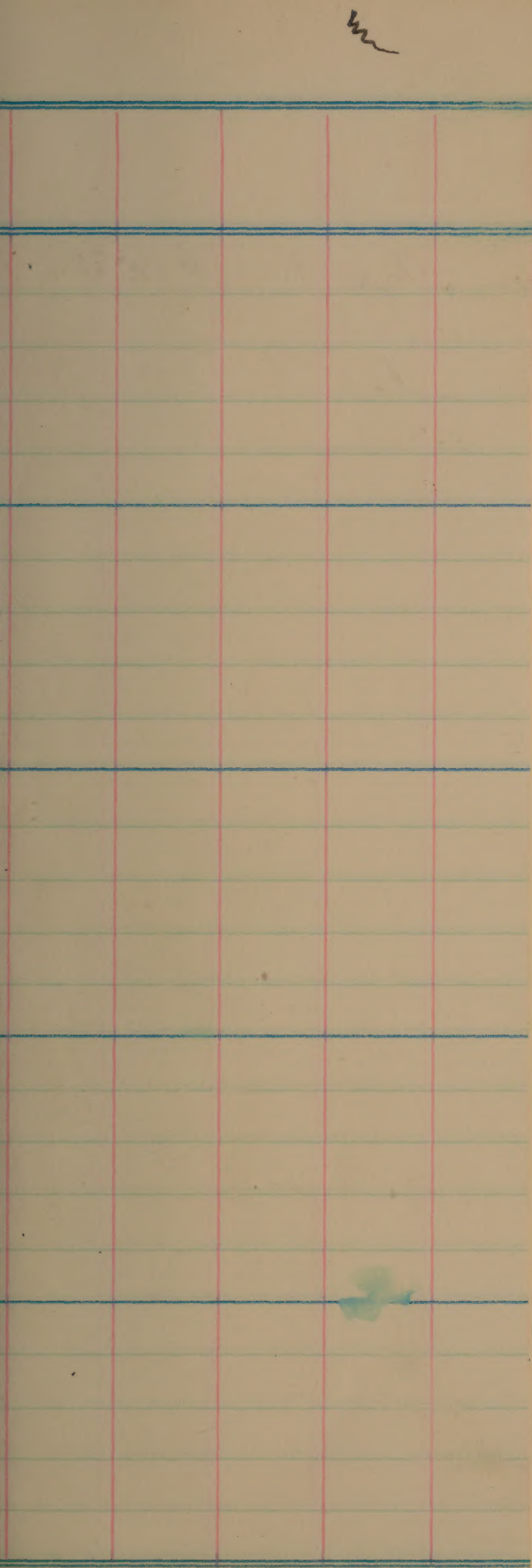
661

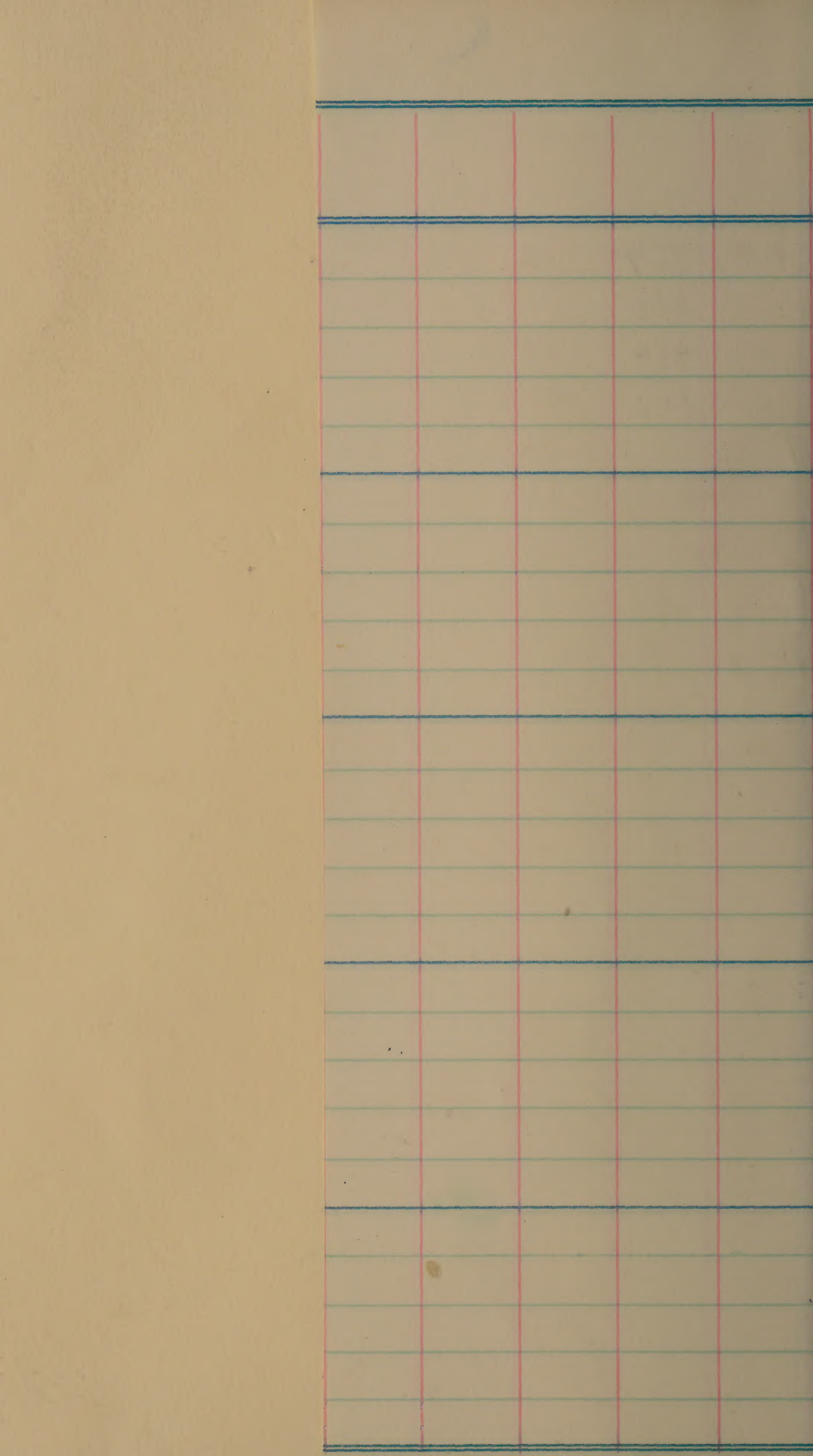
9.95 785

822

2877 4316

156	Hyb Mix 11-47-11-1	16	$7/24$	$8/1$	<i>1 Ripple about 2.16</i>	$7/23$
	E. Short-gr.	28	$7/24$			49
	Bulk	47	$7/23$	$8/1$		47
		53	$7/24$			
			$7/24$		—	48





10.45 724

10.45 626

10.20 490

10.45 661

754

652

512

688

2606 3909

17

down April 17

V, dry on 10/16 in C + D series, still
damp in A + B.161 C3-12,
7/8 Rex

1 9/3 10/15 56

20

45 9/4 10/15 53

53

9/4 10/15 55

162 T. Patna 49

2

8/29 10/10 52

17

47 9/1 10/10 51

55

8/31 10/10 52 cut 10/10

163 Texas Patna
C.I. 8321-1

43

8/25 10/6 57

19

46 8/26 10/6 56

54

8/26 10/6 57

164 Rexoro
C.I. 1779

34

10/13 55

18

48

9/20 10/14 54

56

—

10/14 55

165 Blue Rose
C.I. 1962

5

8/17 8/25 9/20 60

24

39

8/17 8/25 9/20 59

57

8/17

9/20 60

cut 10/10

cut 10/15

cut 10/16

cut 10/10

over ripe & sun dried
when harvested

11.32 653

673

11.67 664

682

11.27 624

644

11.42 554

571

2570 3855

11.32 554

571

11.32 579

597

10.98 325

336

10.94 510

528

2032 3048

11.03 545

564

10.94 624

646

10.94 508

526

11.03 487

504

2240 3360

11.27 622

642

11.47 644

662

11.32 477

491

11.17 539

557

2353 3530

9.65 600

630

10.25 751

784

9.75 743

780

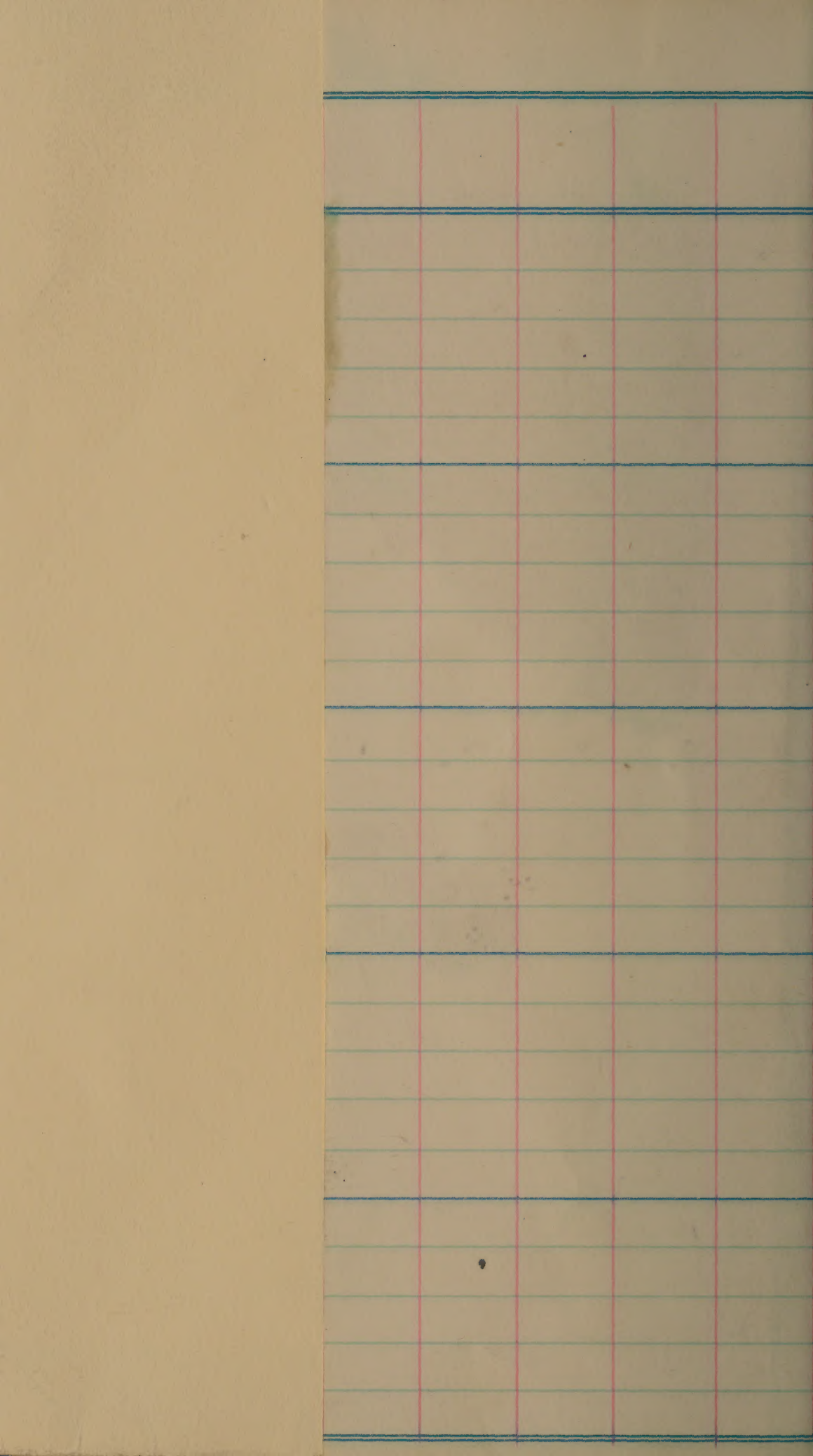
9.75 662

695

2889 4334

166	Hyb Mix 47-11-1	6	8/7	8/14	9/15	50
	E. Short gr.	22				
	Bulk	40	8/7	8/13	9/15	48
	cut 10/10	60	8/7		9/15	49
167	C6-I-25-12,	7	8/20	8/27	9/22	58
	BR x BR-R	23				
	cut 10/10	37	8/19	8/28	9/23	54
		59	8/20		9/23	56
168	B432A1-104-4	8	8/18	8/25	9/23	49
	Sm BR-BR41x	21				
	8326	38	8/18	8/26	9/22	52
	cut 10/10	52	8/18		9/23	51
169	Bluebonnet 50	9	8/4	8/10	9/3	52
		30				
		33	8/5	8/9	9/3	54
		52	8/5		9/3	53
170	Bluebonnet	10	8/4	8/11	9/4	56
	C.F. 8322	32				
		36	8/5	8/11	9/4	55
		50	8/5		9/4	56





9.75 568
 9.75 571
 9.80 363
 9.80 365

596

599

381

383

1959 2939

10.40 669
 10.15 735
 10.40 654
 10.20 633

697

768

681

661

2807 4211

10.40 574
 10.20 664
 9.95 576
 10.02 579

598

693

603

606

2500 3750

10.79 598 54.1 67.3
 87.6 109.0
 10.52 713
 10.84 549
 10.68 555 56.8 67.8
 92.0 109.8

620

742

569

576

2507 3761

10.84 587 53.0 68.7
 85.9 111.3
 10.64 732
 10.74 675
 10.98 591 52.7 69.3
 85.4 112.3

609

761

701

612

2683 4025

B459A1-95-16-3,
 171 Hill Sel x
 Remark

11 8/4 8/11 50
 31
 35 8/5 8/10 9/4 48
 51

8/5 9/4 49

Improved
 172 Bluebonnet

12 8/5 8/11 54
 29

34 8/5 8/11 9/6 54
 49

8/5 9/6 54

Zenith
 173 C.I. 7787

13 7/21 7/28 8/18 52

28 7/20 7/29 8/18

44 7/21 7/29 51

62 7/21 7/28

7/21 8/18 52

Century Patna
 174

14 7/22 7/30 8/23 47

26 7/23 7/30

42 7/23 7/31 49

61 7/22 7/30

7/23 8/23 48

B45-15-10-2,
 175 Hill Sel x Z

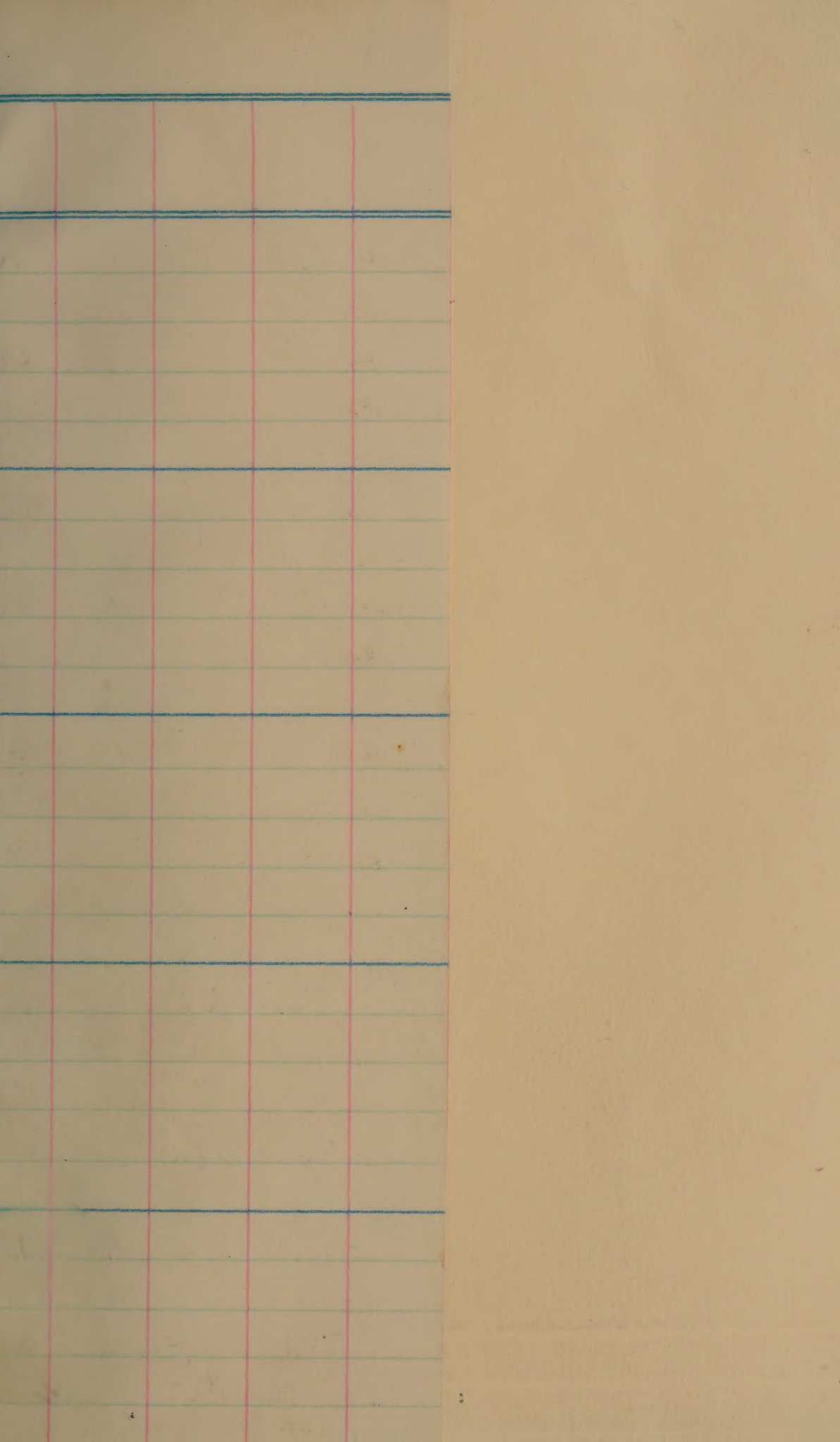
15 7/20 7/26 8/16 48

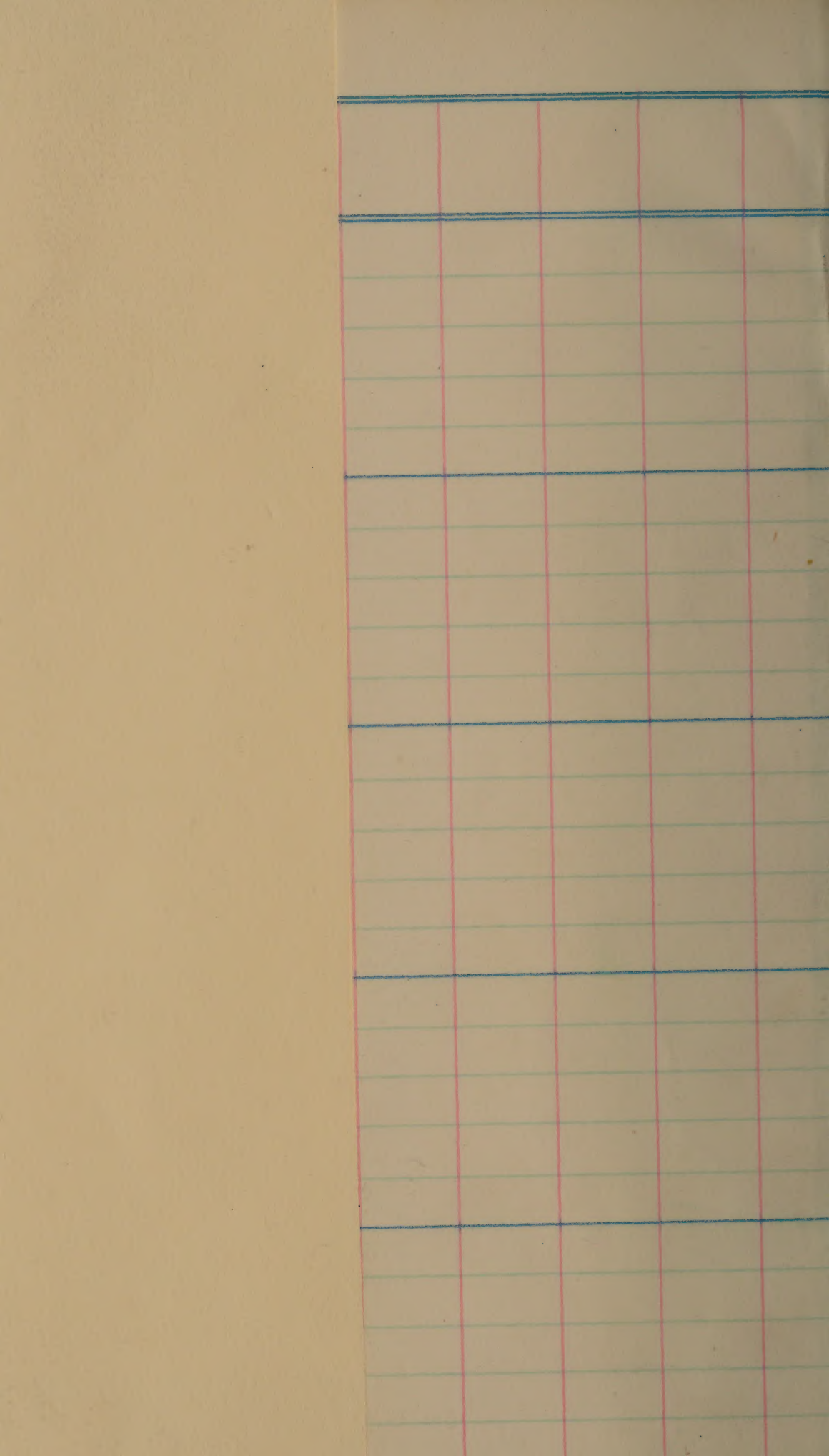
25 7/19 7/28 8/16

41 7/20 7/27 49

63 7/18 7/27

7/19 8/16 49





11.22 700 49.5 65.8
80.2 106.6

723

11.37 717

739

11.02 664

687

11.02 650 52.8 66.9
85.5 108.4

673

2822 4233

10.58 714 58.1 65.1
94.1 105.5

742

10.58 692

720

10.74 656

681

10.74 686 59.3 66.5
96.1 107.7

712

2855 4283

11.20 651 65.8 68.3
106.6 110.6

672

11.00 637

659

11.00 599

620

10.75 684 64.7 67.6
104.8 109.5

710

2661 3992

11.87 611 60.3 64.4
97.7 104.3

626

11.52 563

579

11.27 603

622

11.47 660 61.6 65.6
99.8 106.3

679

2506 3759

11.75 434 60.5 63.3
98.0 102.5

445

11.50 419

431

11.50 308 Some loss

317

11.75 540 64.4 66.4
104.3 107.6

554

1747 2621

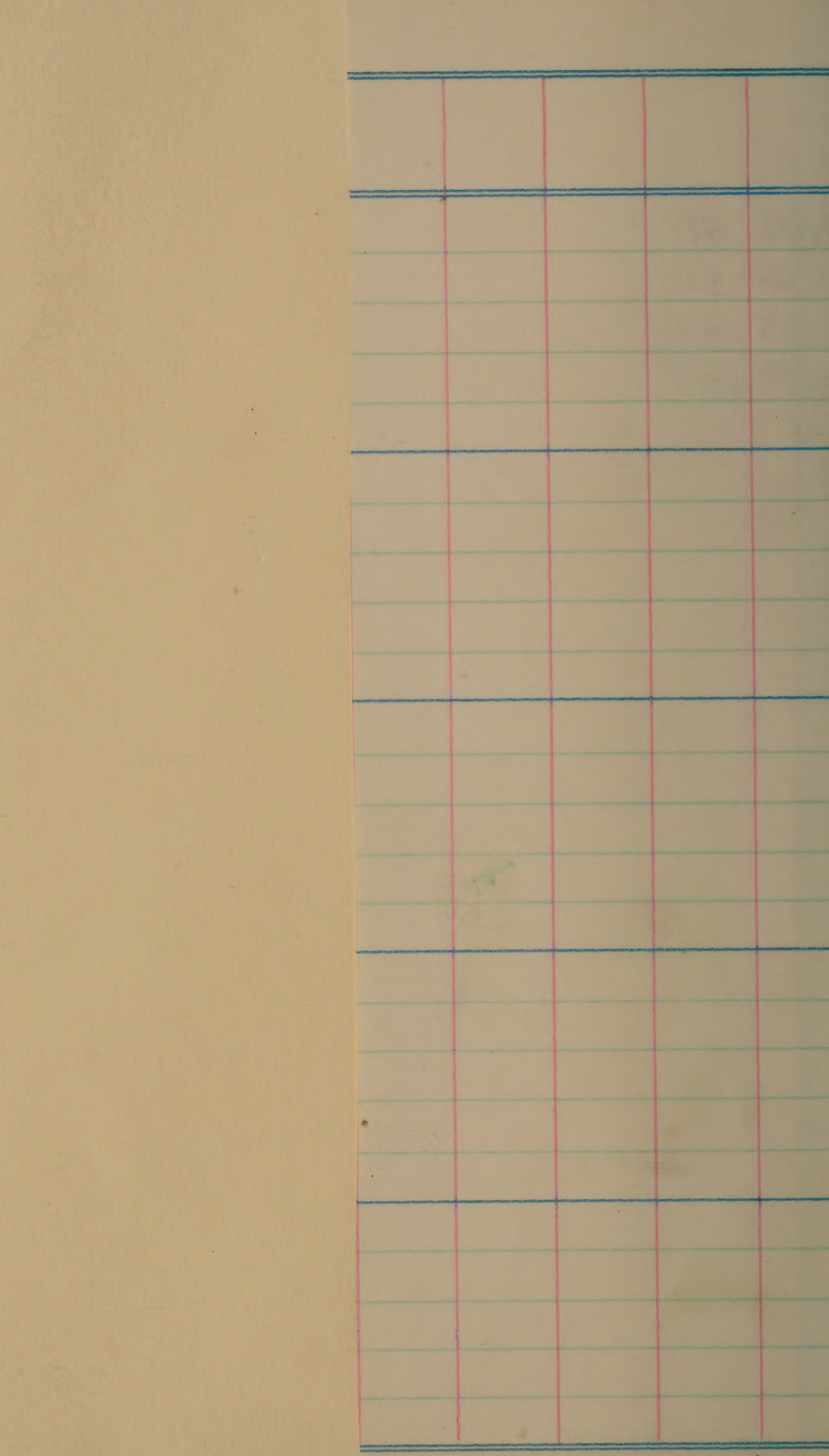
Magnolia

176

C.I. 8318

16	7/20	7/28	8/18	49	9/1
27	7/19	7/28	8/18		
43	7/20	7/28		51	
64	7/20	7/28			
	7/20		8/18	50	

[illegible]



11.25	518	66.6	68.9	
		107.9	111.6	535
11.50	554			570
11.75	572			587
11.75	551	67.7	69.9	565
		109.7	113.2	<u>565</u>
				2257 3386

33

Sown May 13st emerged May 11
 May date seedling full emerged May 22

Texas Patna 1 9/24 10/18 52
 181 C.I. 8321-1 20

42

9/25 10/19 52

50

10/19 52

C3-12, 7/8 Rex

182

2

9/20

11/4 49

17

43 9/21

43

52

9/21

11/4 46

T. Patna 49

183

3

9/25 10/28 49

18

41 9/18

47

51

9/18

10/28 48

Rexoro

184

4

9/23

11/6 50

C.I. 1779

19

44 9/22

46

49

9/23

11/6 48

Century Patna

185

5

8/7 8/13

9/4

42

31

38

8/7

8/13

9/5

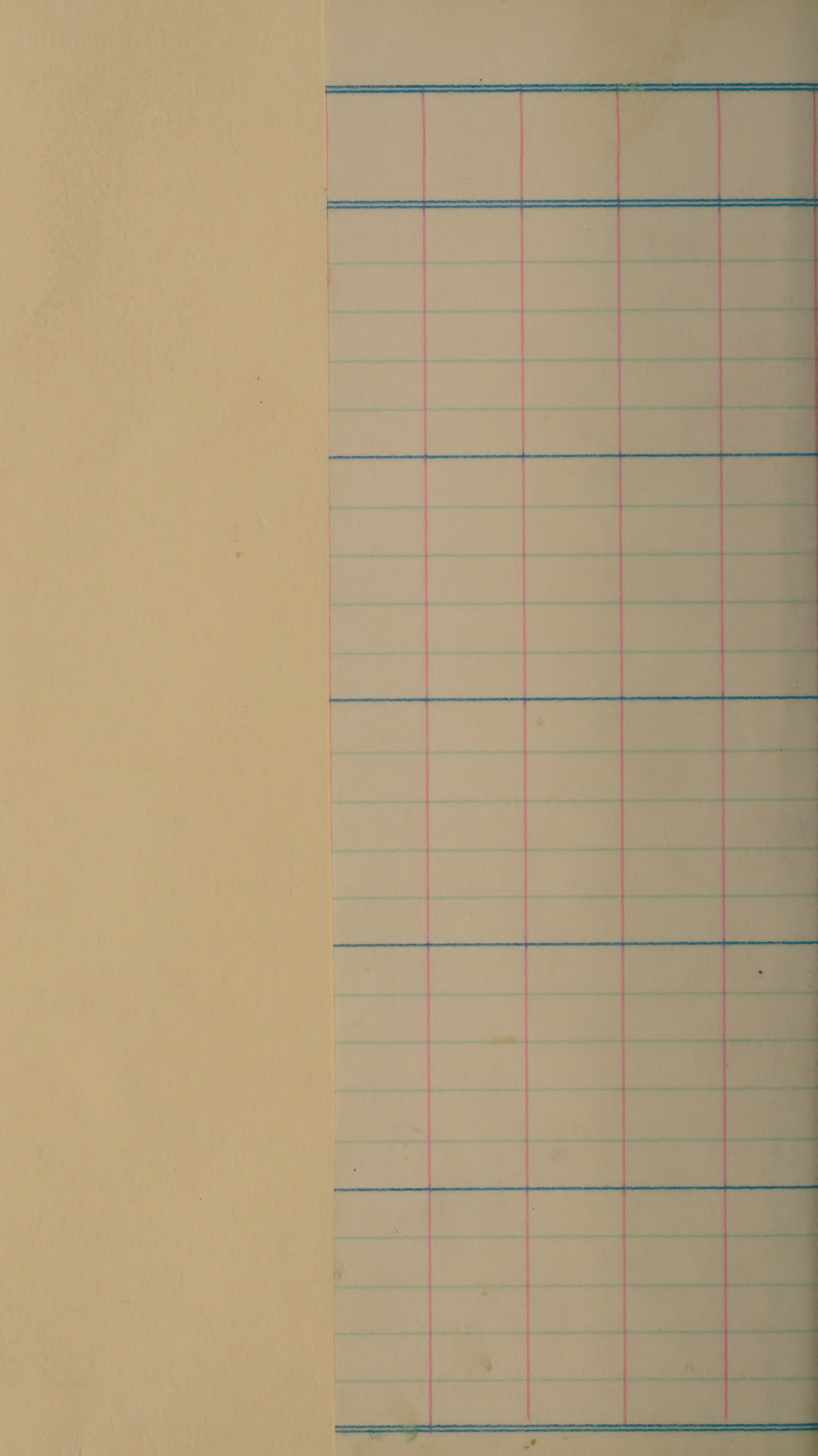
44

63

8/7

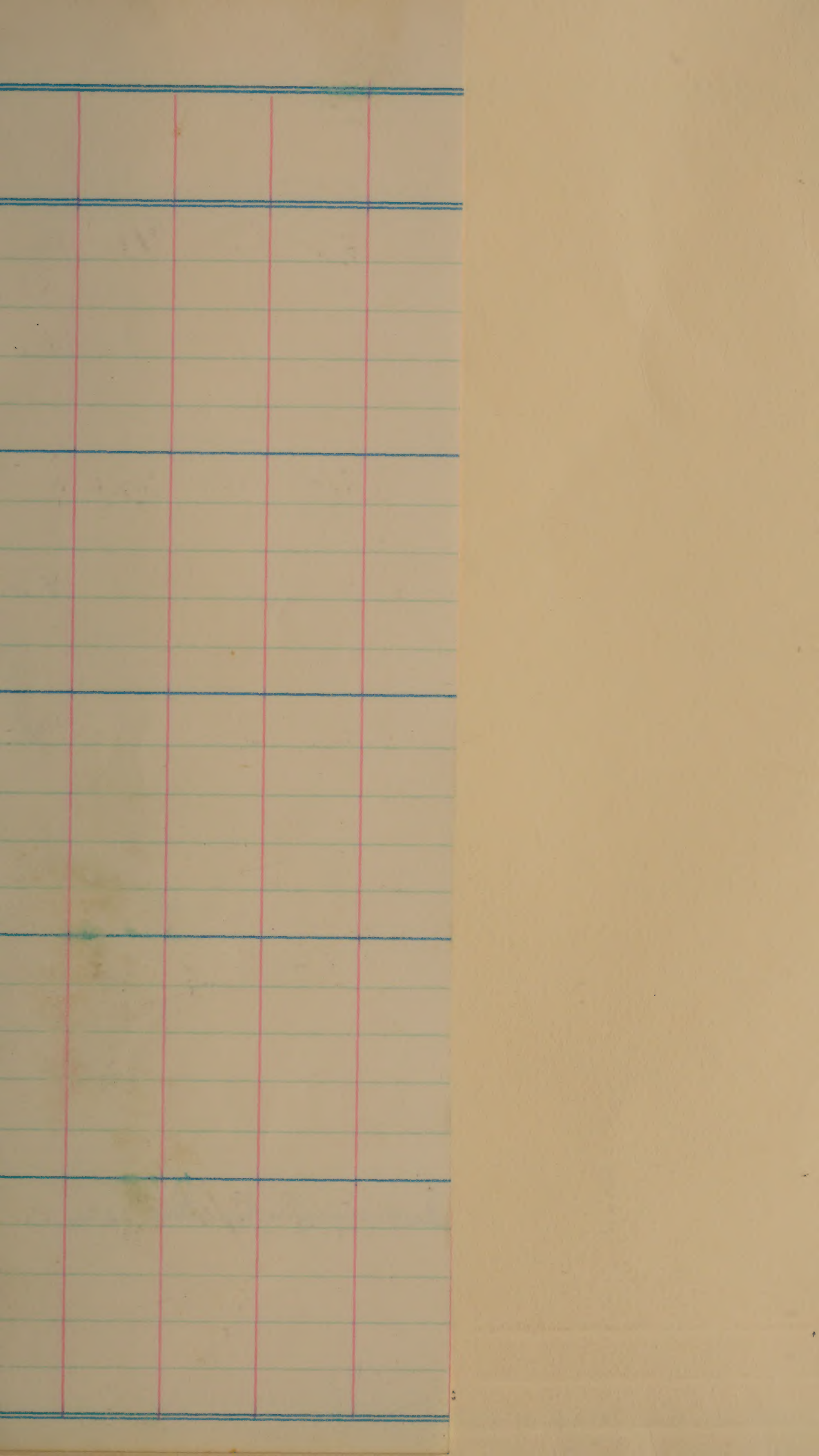
9/5

43



11.97	489	52.9	68.7		501
		85.7	111.3		
12.16	441				450
12.50	414				421
12.50	363	53.9	69.4		369
		87.3	112.4		
					<u>1741</u> 2612
13.37	431	51.8	72.7		434
		83.9	117.8		
13.09	364				368
13.14	322				325
13.28	361	49.2	69.2		364
		79.7	112.1		
					<u>1791</u> 2237
12.95	483	48.3	69.7		489
		78.2	112.9		
12.70	479				486
12.90	366				371
13.32	430	47.2	69.5		433
		76.5	112.6		
					<u>1779</u> 2669
13.56	401	58.1	72.9		403
		94.1	118.1		
13.56	396				398
13.28	370				373
13.51	333	56.6	72.7		335
		91.7	117.8		
					<u>1509</u> 2264
10.74	400	60.5	65.2		415
		98.5	105.6		
10.58	475				494
10.68	458				476
10.60	481	60.8	65.2		500
		98.5	105.6		
					<u>1885</u> 2828

186	Magnolia C.I. 8318	6	8/5	8/10	9/1	46
		30				
		39	8/4	8/10		43
		62	8/5		9/1	45
187	B45-15-5-10-2, Hill Med x Z	7	8/5	8/10	8/31	44
		32				
		37	8/5	8/10		43
		61	8/5		8/31	44
188	Zenith C.I. 7787	8	8/7	8/11	9/2	47
		29				
		40	8/7	8/10	9/2	45
		64	8/7		9/2	46
189	Hyb Mix 11-47-11-1, E. Short-gr. Bulk	9	8/17	8/27	9/25	49
		21				
		47		8/26	9/23	44
		59	8/17		9/24	47
190	B438A1-104-4, Sm BR-BR41 x 8326	10	8/25	9/2	10/5	48
		24				
		45		9/3		46
		57	8/25		10/5	47



slower emerging than other var.

9.65	385	66.4	70.9	
		107.6	114.9	404
9.90	414			434
9.95	462	63.5	67.7	484
		102.9	109.7	
9.90	476			499
				<u>1821</u>
				2732

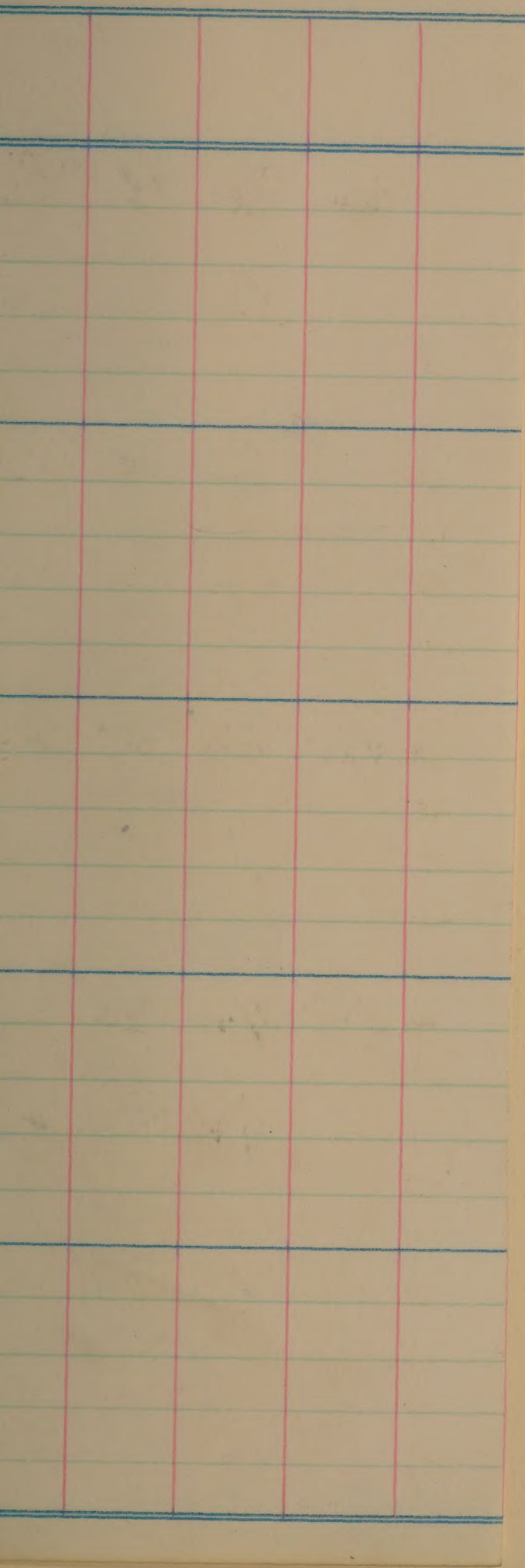
10.70	370	64.7	67.3	
		104.8	109.0	384
10.95	411			426
11.00	476			493
11.00	433	65.6	67.9	448
		106.3	110.0	<u>1751</u>
				2627

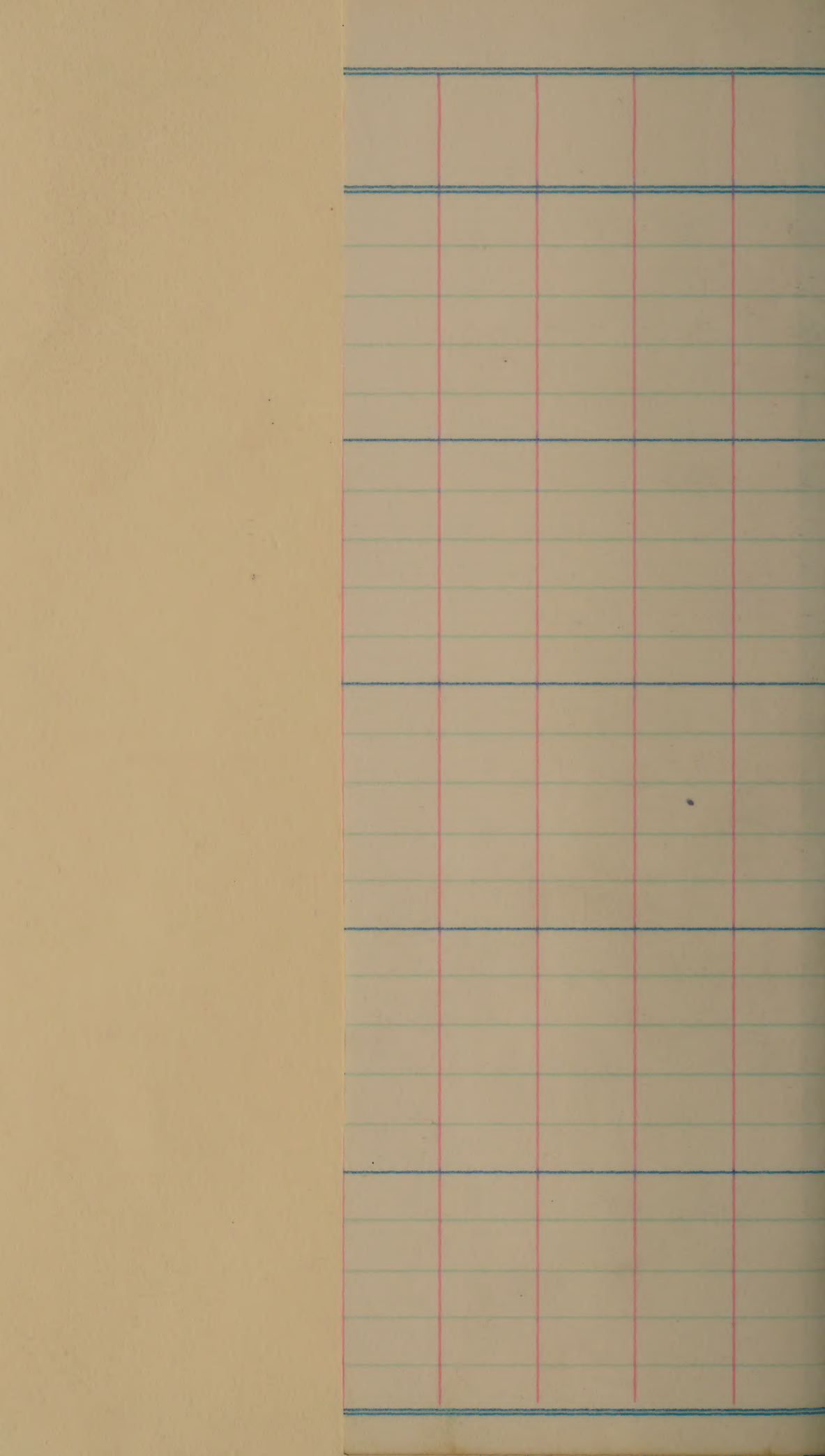
10.25	530	63.8	66.5	Bug
		103.3	107.7	damage
10.50	538			553
10.30	547			560
10.35	466	67.4	70.1	571
		109.2	113.6	<u>530</u>
				2214
				3321

10.15	663	58.9	70.5	
		95.4	114.2	693
10.20	640			668
10.70	272	49.0	70.8	282
		79.4	114.7	
10.70	253			<u>263</u>
				1906
				2859

11.00	599	61.6	68.6	
		99.8	111.1	620
11.00	485			502
10.70	399			414
10.70	513	62.9	68.8	533
		101.9	111.5	<u>2069</u>
				3104

191	C6-I-25-12 BR x BR-R	11	8/26	9/2	10/5	10/10 50
		22				
		48		9/4		52
		58	8/26		10/5	51
192	Blue Rose C.I. 1962	12		8/30	10/5	54
		23				
		46		8/31		51
		60	8/2	8/31	10/5	53
193	Bluebonnet C.I. 8322	13	8/25	9/4	9/21	51
		25				
		36		9/4	9/21	51
		56	8/25		9/21	51
194	Bluebonnet 50	14	8/25	9/2	9/22	48
		28				
		33		9/2	9/22	46
		55	8/25		9/22	47
195	B459A1-95-16-3, Hill Sel x Rexark	15		9/1	9/21	45
		27				
		34		9/1	9/20	44
		54			9/21	45





10.95	467	49.8 80.7	70.2 113.7	484	
10.95	485			502	
10.95	305			316	
10.95	401	51.3 83.1	69.8 113.1	<u>415</u>	
				1717	2576
10.20	565	64.1 103.2	71.1 115.2	590	
10.20	605			632	
9.95	538			563	
10.20	509	64.5 104.5	71.4 115.7	<u>531</u>	
				2316	3474
10.74	453	62.0 100.4	71.7 116.2	470	
10.74	619			642	
11.02	394			408	
10.88	373	57.7 93.5	71.5 115.8	<u>387</u>	
				1907	2861
10.88	508	61.9 100.3	70.4 114.0	526	
11.02	547			566	
11.02	393			407	
10.88	427	61.0 98.8	69.2 112.1	<u>443</u>	
				1942	2913
11.17	563	61.3 99.3	69.4 112.4	582	
11.17	585	60.7 98.3	69.7 112.9	604	
11.02	523			541	
11.32	462			<u>476</u>	
				2203	3305

196 Improved 16
Bluebonnet 26

cut 19/10

35

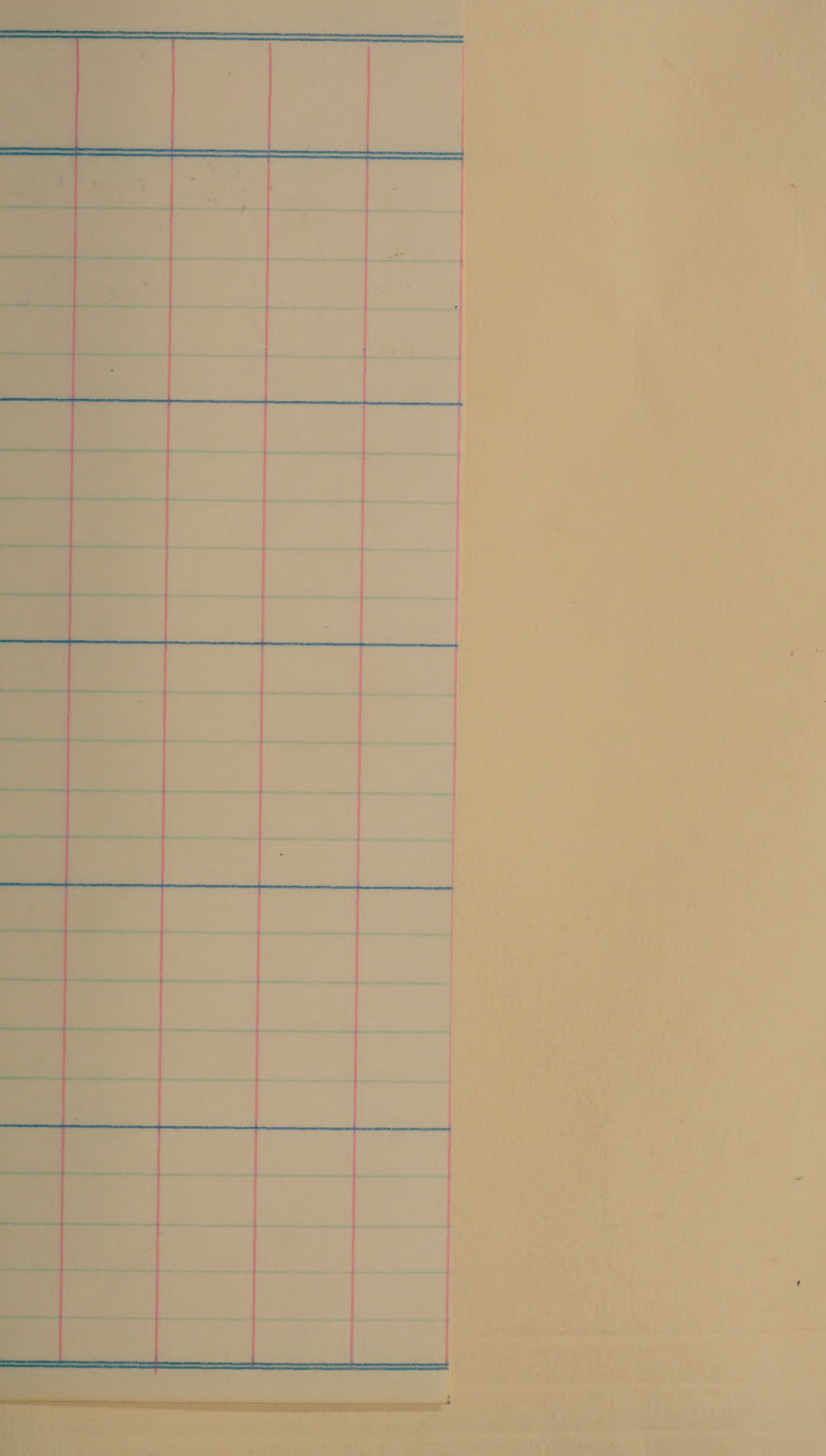
53

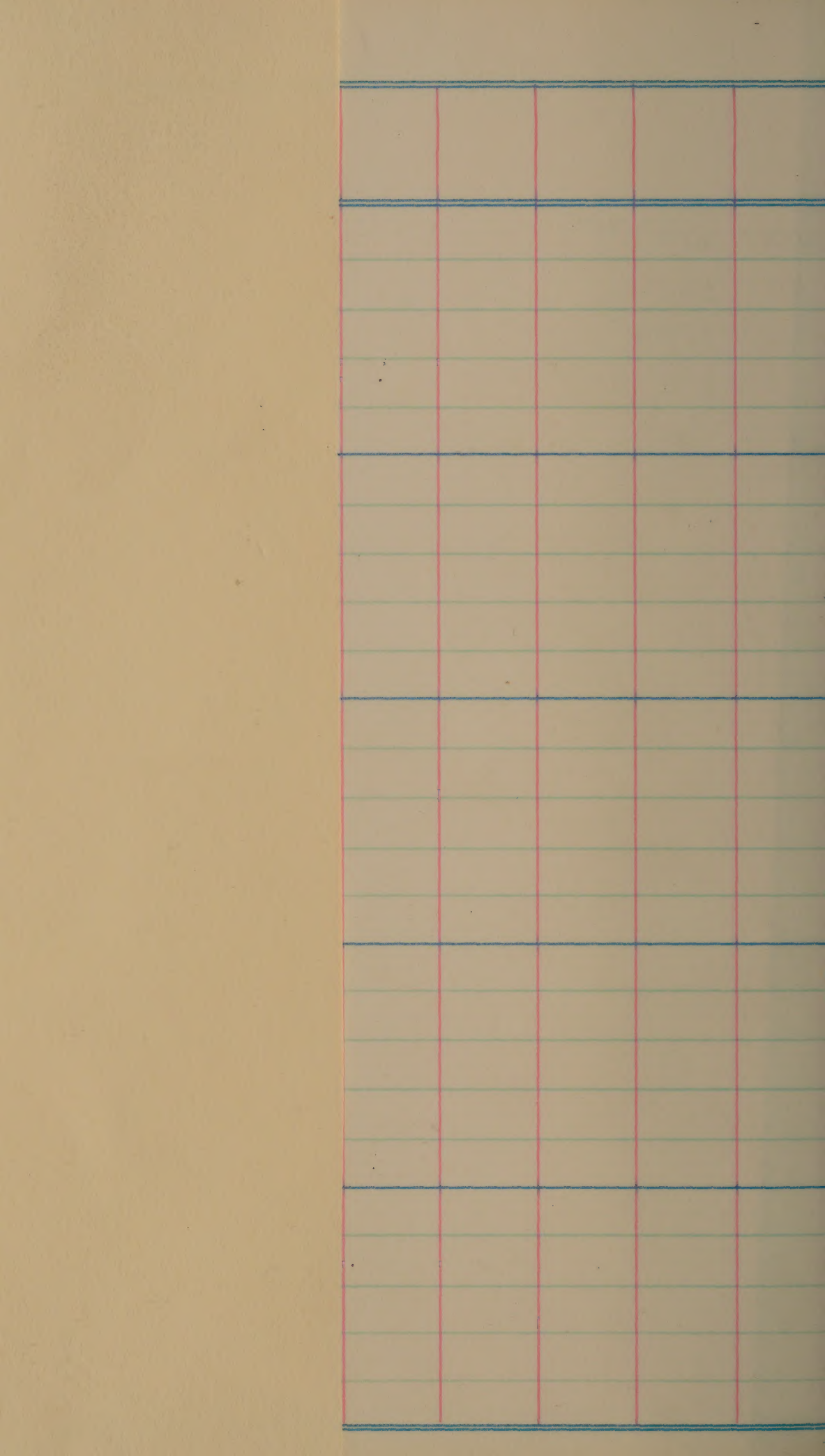
—

9/5 9/25 52

9/5 9/25 48

9/25 50





11.67	602	62.8	68.9	
		101.7	111.7	618
11.12	555			574
11.12	479			495
11.77	440			451
				2138 3207

(P) Over ripe
 when cut
 responsible
 for low yield
 C+D

49

Score June
June date reading 14

201 ZENITH
7787

9/1

10/5 41

10/5 47

9/1

10/5 44

10/13 44

202 Century Patna

ant.

10/13 46

—

10/13 45

203 Magnolia
8318

8/31

10/6 46

10/6 49

8/31

10/6 48

8/26

10/1 44

B45-15-5-10-2,

204 Hill Med x 2

10/1 46

8/26

10/1 45

Blue Rose

205 1962

9/21

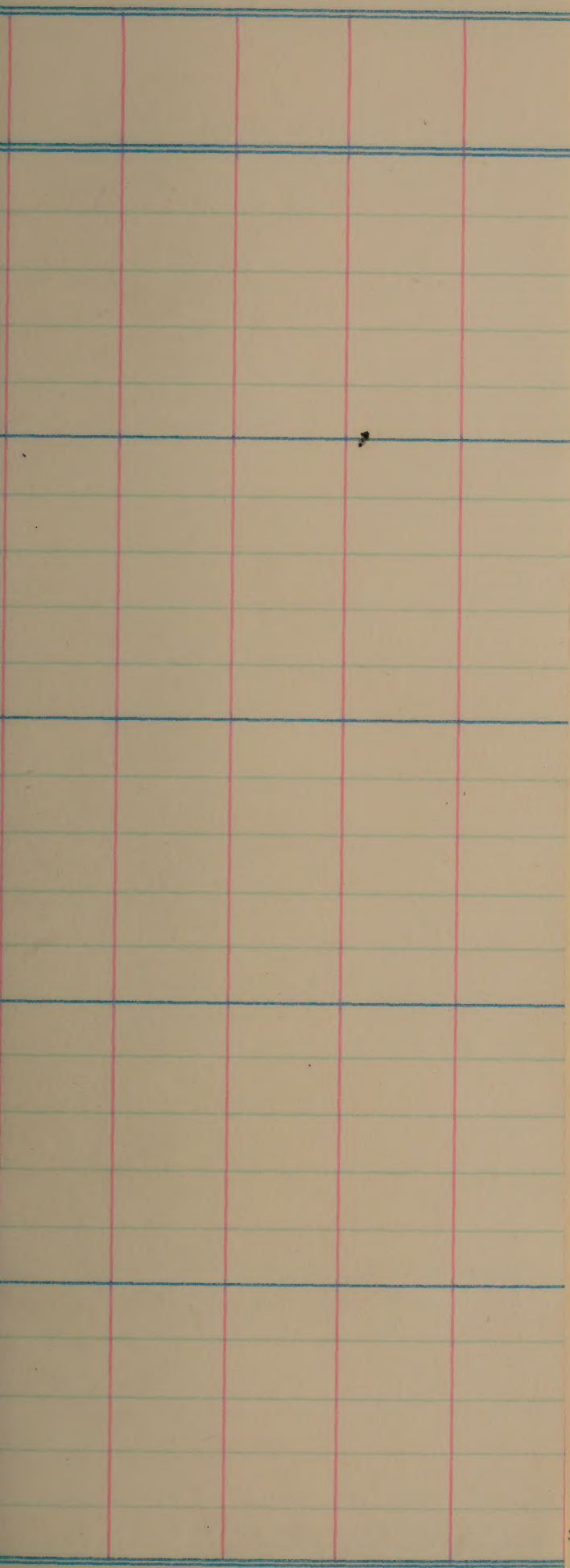
10/19 49

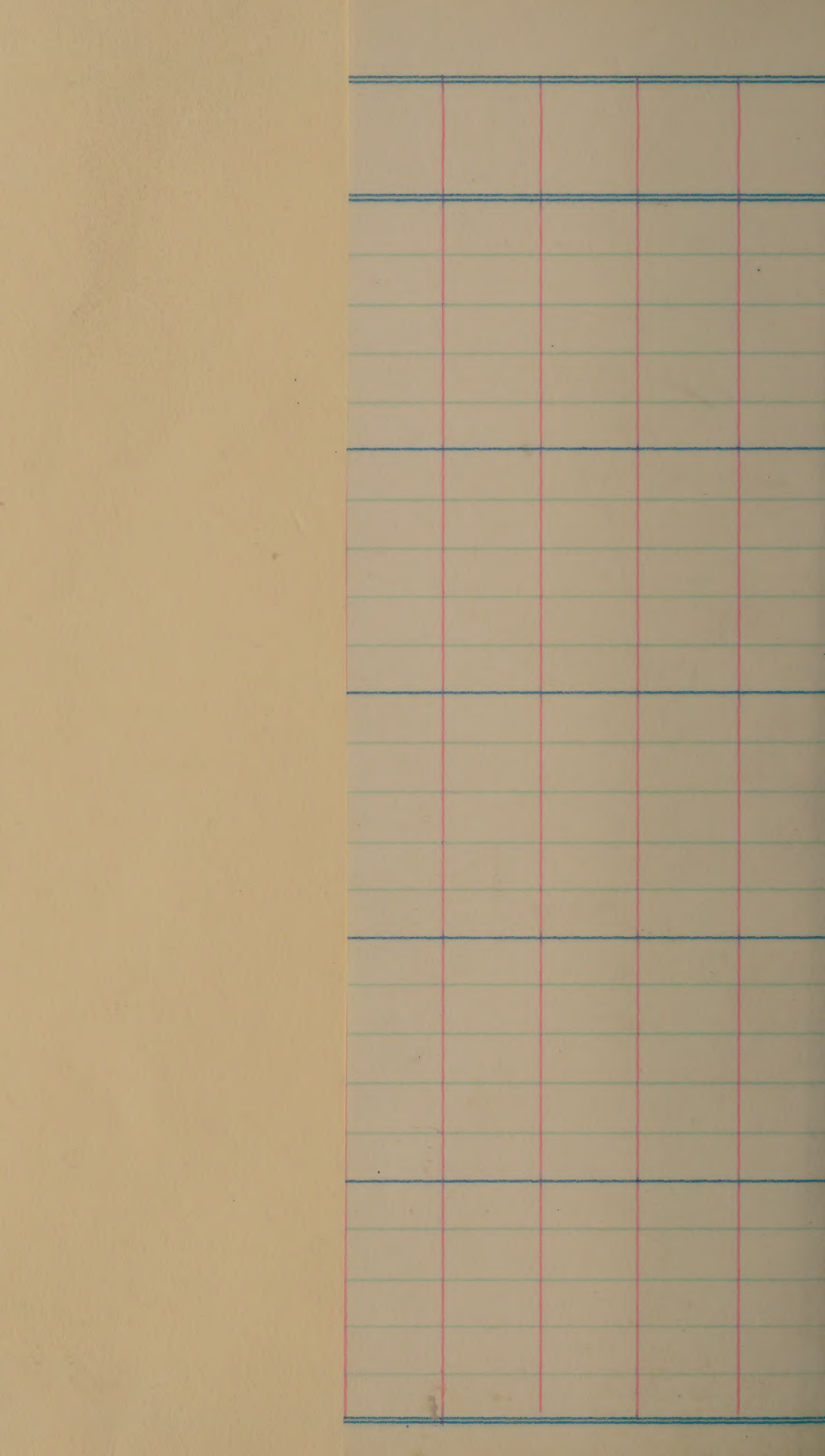
9/23

10/19 48

—

10/19 49



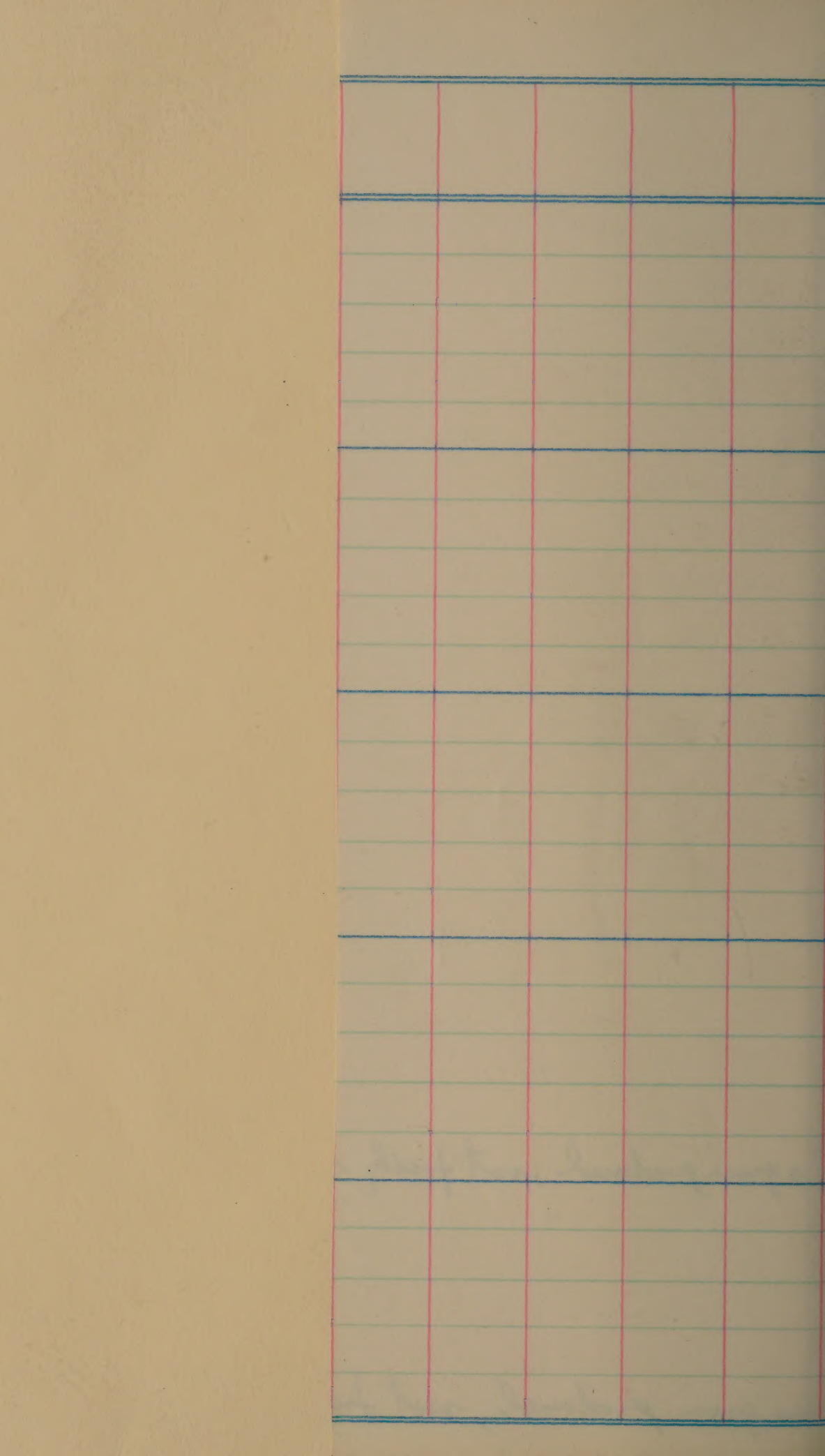


10.35	539	99.6 61.5	114.9 70.9	562	
10.15	629			657	
10.95	777			805	
10.50	559	100.3 61.9	115.0 71.0	<u>582</u>	
				2606	3909
11.12	571	104.3 64.4	109.7 67.7	590	
11.27	700			722	
11.27	727			750	
11.27	770	106.1 65.5	110.5 68.2	<u>794</u>	
				2856	4284
10.50	653	111.1 68.6	117.3 72.4	680	
10.25	557			581	
10.50	727			757	
10.50	639	110.3 68.1	116.8 72.1	<u>665</u>	
				2683	4025
11.35	592	95.9 59.2	110.6 68.3	610	
11.15	533			551	
11.35	536			553	
11.45	665	94.4 58.3	106.4 65.7	<u>685</u>	
				2399	3599
12.10	612	110.3 68.1	117.9 72.8	626	
12.10	644			658	
12.20	640			653	
12.65	633	113.1 69.8	118.9 73.4	<u>643</u>	
				2580	3870

206	Hyb Mex 11-47-11-1, E. Short - gr. Bulk	9/17	10/19	44
		9/17	10/19	44
		—	10/19	44
207	C6-I-25-12, BR x BR-R	—	10/21	49
		9/21	10/19	49
		—	10/20	49
208	B438A1-104-4, Sm BR-BR41 x 8326	9/22	10/21	46
		9/23	10/21	45
		—	10/21	46
209	Rexoro 1779	10/17 no grain, not full on 11/17		
		10/17	—	10/17
210	Texas Patna 8321-1	10/8 no grain, not full on 11/17		
		10/8	—	10/8

no grain produced, not fully -

no grain produced, not fu



12.70	660	109.8	117.9	670	
		67.8	72.8		
12.45	657			669	
13.20	629			635	
12.65	638	106.3	116.5	648	
		65.6	71.9		
				<u>2622</u>	3933
13.43	633	97.5	115.3	637	
		60.2	71.2		
12.85	435			441	
12.40	502			715	
13.15	572	97.7	114.9	578	
		60.3	70.9		
				<u>2371</u>	3557
13.77	725	110.2	116.0	727	
		68.0	71.6		
13.45	590			594	
12.95	498			504	
13.53	689	108.1	116.2	693	
		66.7	71.7		
				<u>2518</u>	3777

headed on 11/17

ely headed on 11/17

211 C3-12,
7/8 Rexoro

10/16 no grain, not full hd
in 11/17

10/16

—

—

212 T. Patna 49

10/8

10/8

—

—

213 Improved Bluebonnet

9/20

10/25

720

47

Imp Bkt

Pres 1 wk later 9/20 Bkt 10/25 47

214 Bluebonnet 50

9/25

9/24 10/19 49

Bkt 50

—

10/19 49

215 Bluebonnet
8322

9/24

9/24 10/18 53

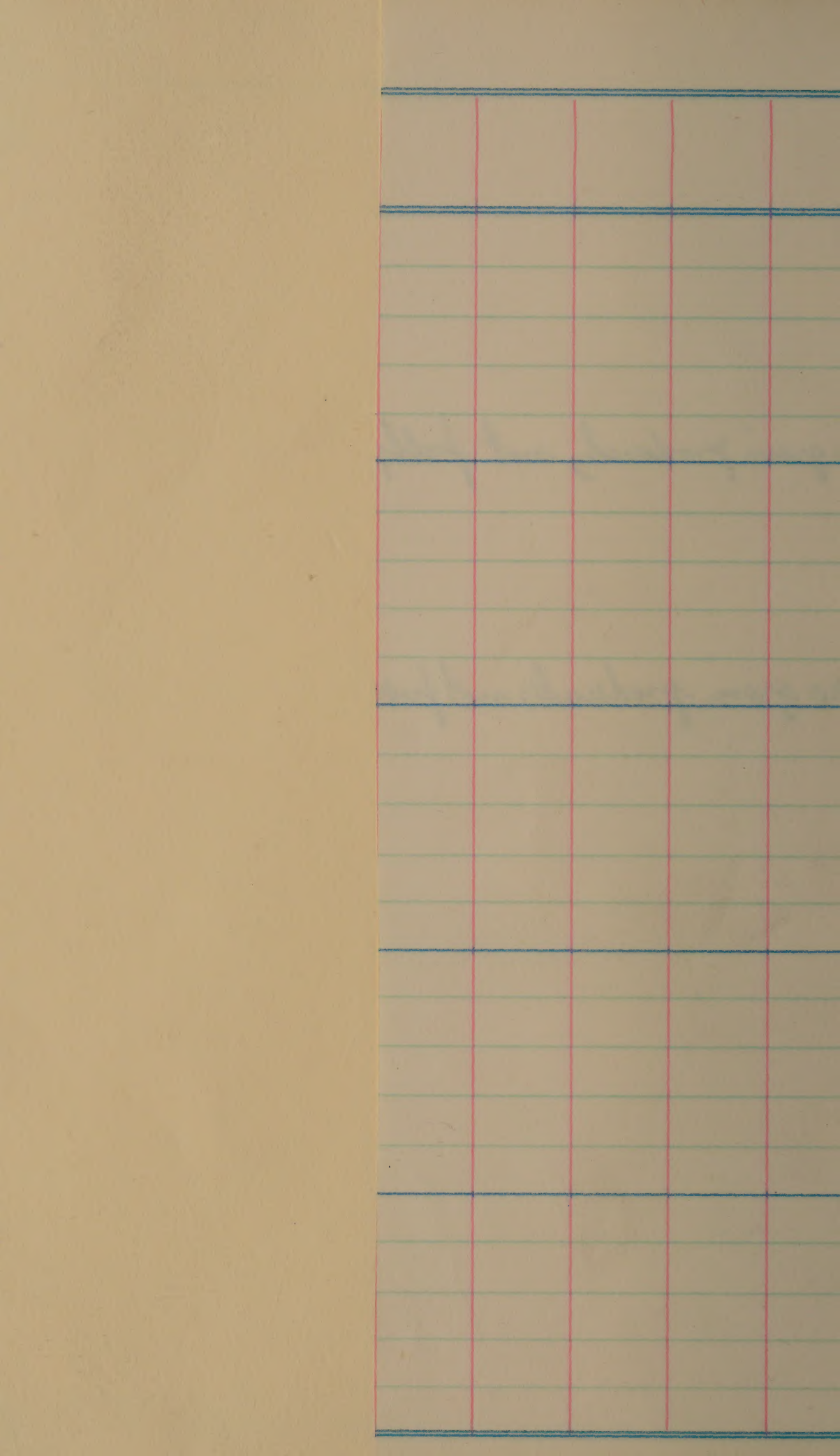
Bkt

—

~~9/24~~ 10/18 53

no grain produced, not fully

no grain produced; not full



headed on 11/17

by headed on 11/17

14.38 508 81.0 114.5
50.0 70.7

13.14 544

13.08 414

13.14 537 84.9 113.6
52.4 70.1

506

549

418

542

20153023

12.45 576 89.6 113.4
55.3 70.0

12.70 562

12.40 603

12.70 578 90.9 113.6
56.1 70.1

525

571

614

587

22973446

12.70 530 92.0 112.8
56.8 69.6

12.70 356

12.40 475

12.65 570 87.3 112.8
53.9 69.6

538

361

484

579

19622943

B459A1-95-16-3

9/24

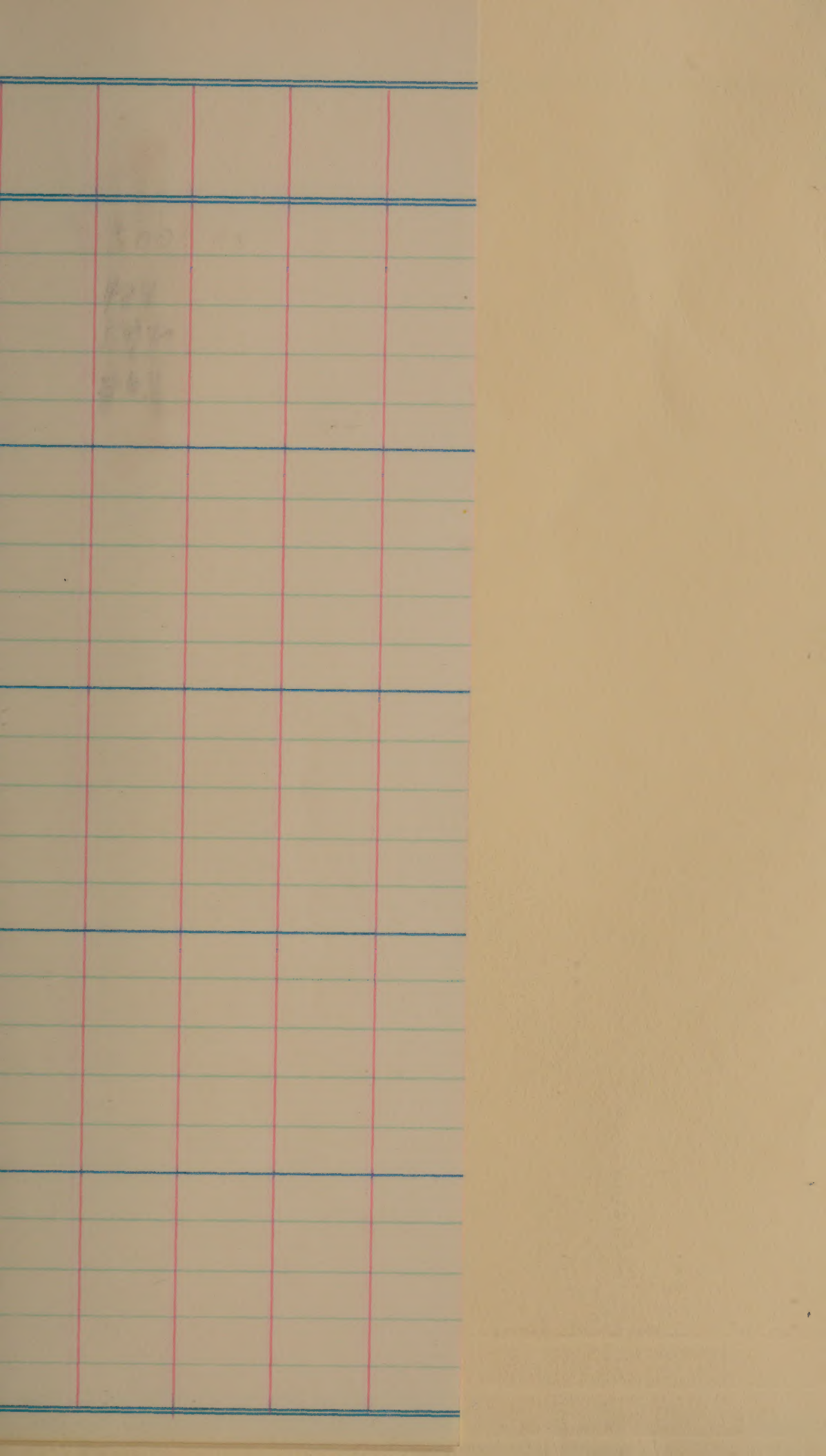
216 Hill Sel x Rexark

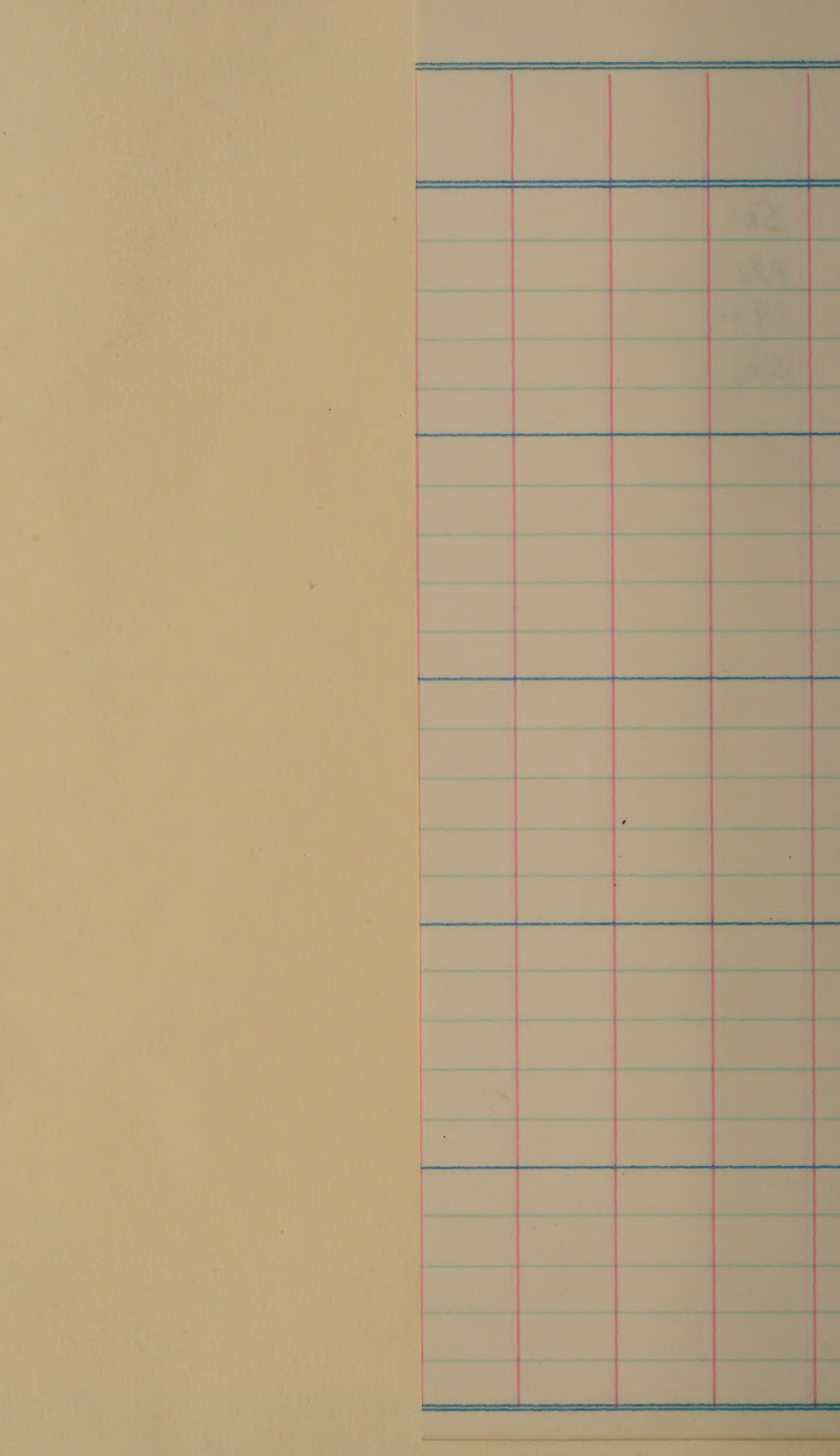
9/23 10/18 44

Hill x Rexark

—

10/18 44





12.89	500	88.6	110.5	506
		54.7	68.2	
12.80	488			495
12.55	592			602
12.65	563	88.5	110.2	572
		54.6	68.0	<u>572</u>
				2175 3263

65 1st emerged July 20, 2nd July 21, 3rd July 25
 July date seeding
 mag. more seminate to first than 2 or
 full 2; Century quite constant
 full head

221 B438A1-104-4, 10/1 10/18 37
 SmBR-BR41x8326

10/17 38

~~10/1~~ ~~10/18~~ - 38

222 Blue Rose 1962 10/14 44

10/13 44

10/1 ~~10/18~~ - 44

223 Hyb Mix11-47-11-2 10/20 36
 E.Short-gr. Bulk.

33

10/2 - 35

224 C6-I-25-12, 10/14 45
 BRxBR-R

10/13 45

10/1 - 45

225 Rexoro 1779

~~no 12/17~~

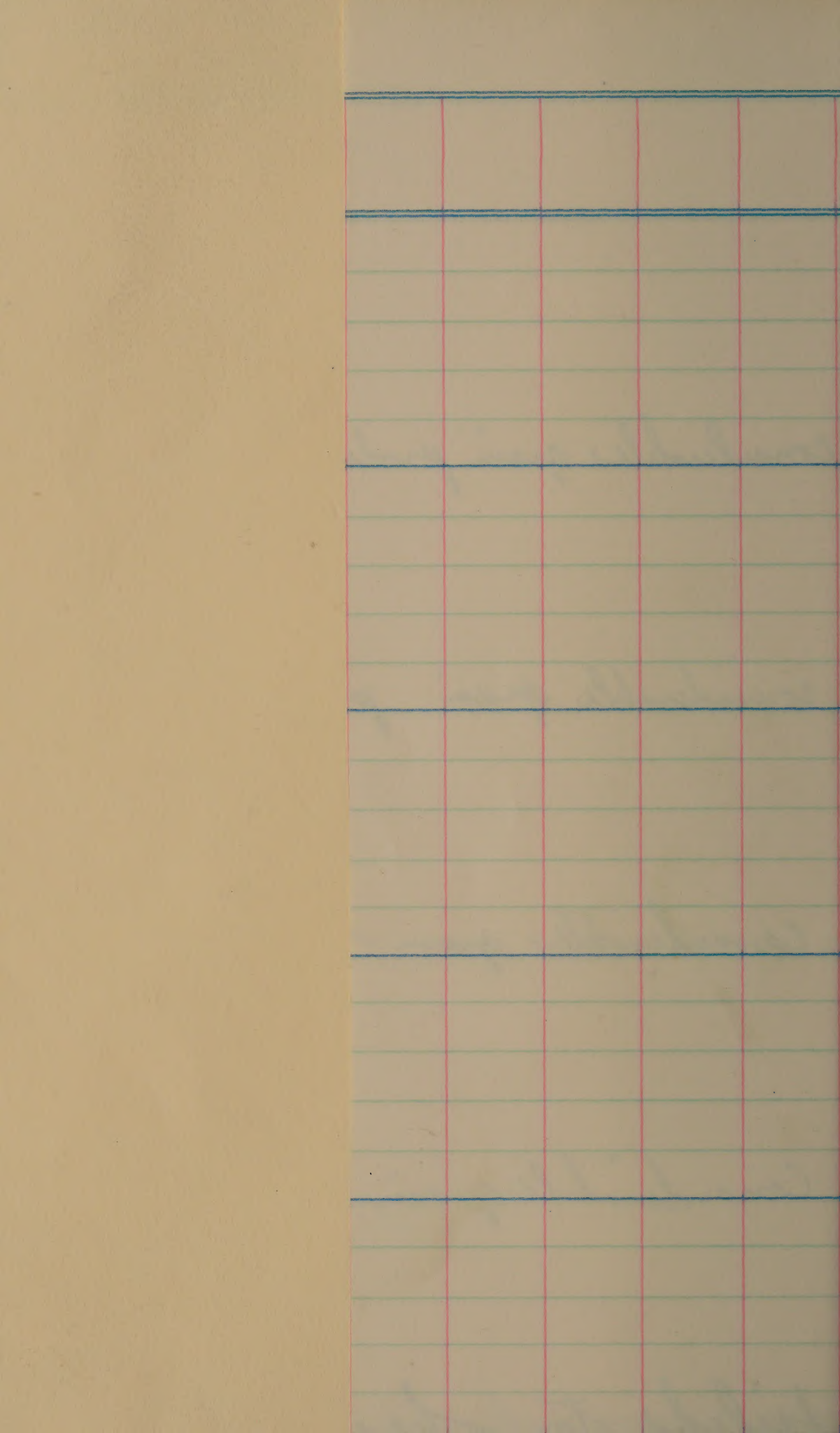
considerable grain produ

considerable grain p

considerable grain

considerable grain

failed to hes



cul

rodmed

produced.

produced

don 11/17

Leaves damaged by light frost on Oct.

226 Texas Patna
8321-1 ~~no bud on 11/7~~

227 C3-12,
7/8 Rexoro ~~no bud on 11/7~~

228 T. Patna 49
~~no bud on 11/7~~

229 Zenith
7787

10/10 pract. no grain, not fr
~~bud on 11/7~~

10/8

10/9 — —

10/6

230 B45-15-5-10-2,
Hill Med x 2

like 229

10/3

10/5

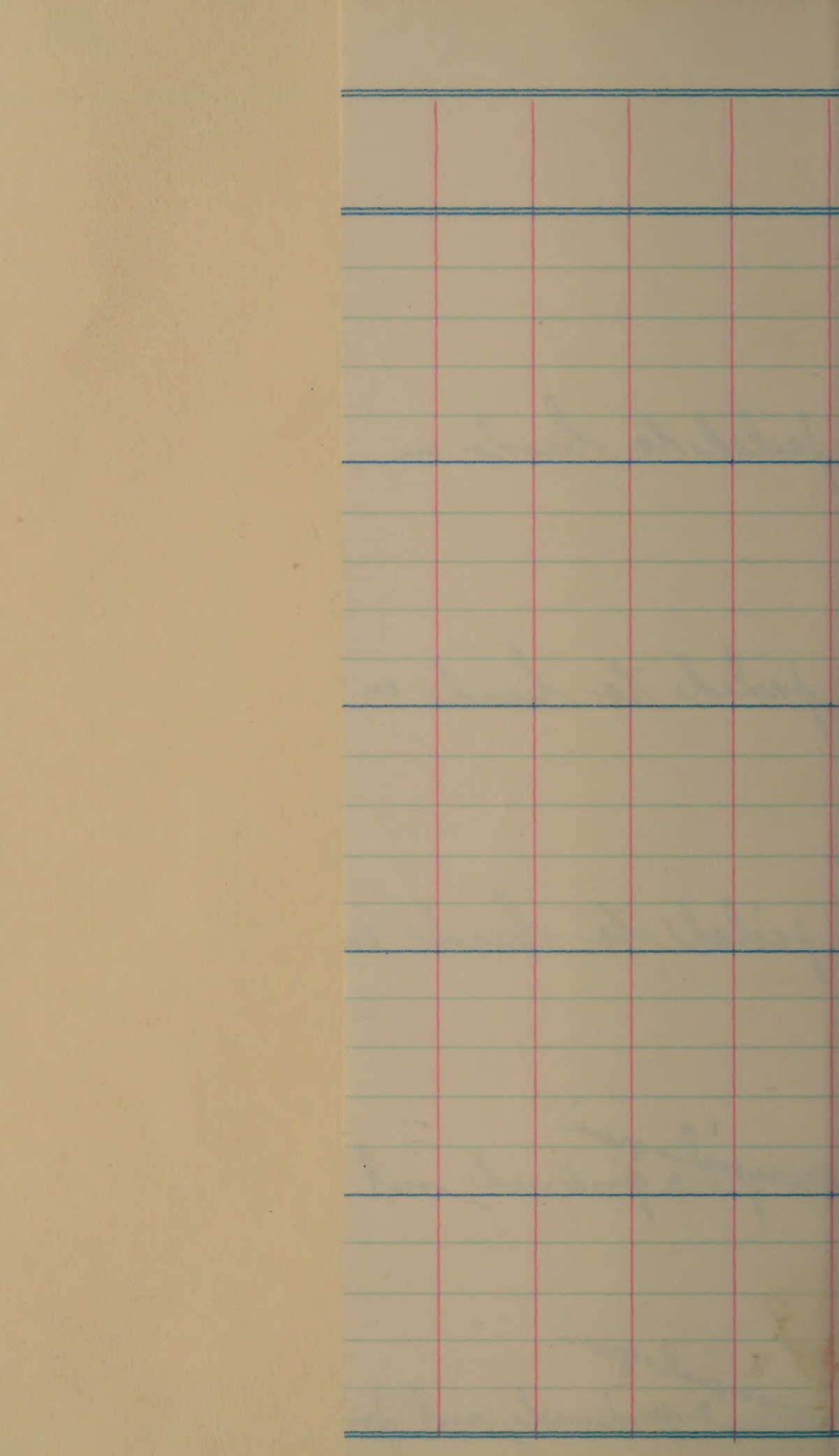
failed to head on

failed to head on

failed to head on

in occasional grain
produced, not

in occasional grain
produced, not fu



11/17

11/17

11/17

fully headed on 11/17

day headed on 11/17

1st

231 Century Patna

10/20 no grains,
not fully filled on 11/17

10/20

232 Magnolia
8318

10/8

~~like 229~~

10/5

10/7

Bluebonnet

233 8322 ~~an occasional bud on 11/17, no seed~~

11/17

Bluebonnet 50

234

~~an occasional bud on 11/17, no seed~~

11/17

Improved Bluebonnet

235

~~failed to bud (11/17)~~

no grain produced, not f

An occasional grain produced

an occasional head on

an occasional head on

failed to head on 11/17

Highly resistant to frost,
v. few damaged leaves on 9/10
much later than 2 in this
date

magnolia badly damaged
by frost, more susc. than
2, on 10/11 & 2,

2s extremely sensitive to
frost. Leaves turning yellow
on 10/15 while 3st leaves
are still green but dead at
tips from frost.

celly headed on 11/17

not fully headed on 11/17

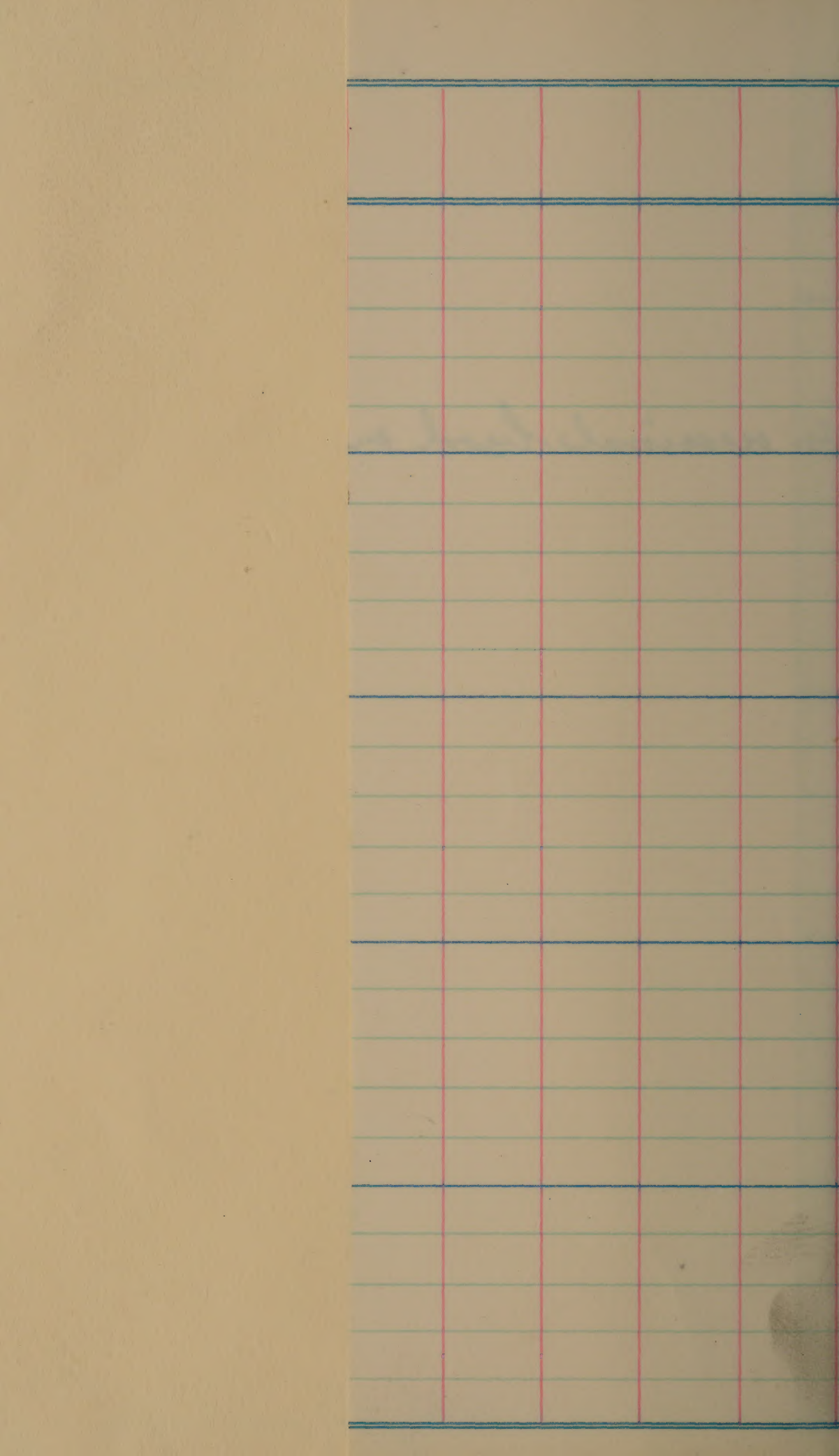
11/17

11/17

236 B459A1-95-16-3,
 Hill Sel x Rexark an occasional hd 11/17 record

11/17
~~11/17~~
~~11/17~~

an occasional head on

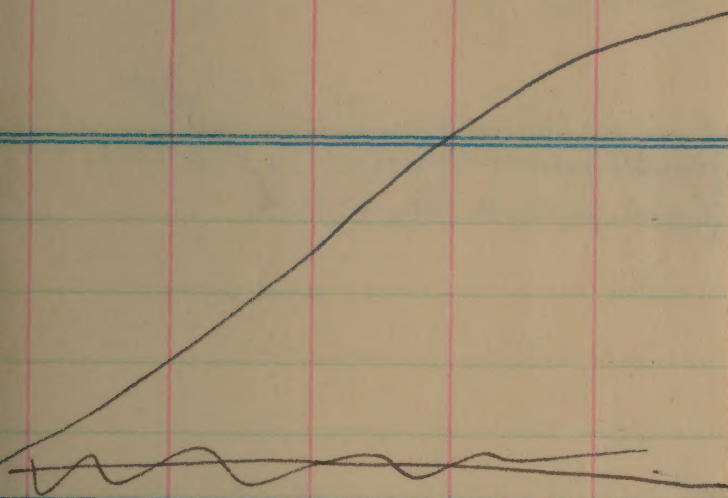


11/17

Suckling garden
no.

Early Maturing Short and Medium-grain Varieties

var. No	B45-15-5-10;	4	122	7/27	8/3	8/28	47	9/3
301	Hill Med x Z		222					
		7	311	7/26	8/3	8/27	44	
			410					
				7/27		8/28	46	
	B45-15-1-3-5,		123	7/26	8/3	8/27	44	
302	Hill Med x Z		225					
			308	7/26	8/3	8/28	45	
			408					
				7/26		8/28	45	
	Zenith		124	7/27	8/4	8/28	50	
303	C.I. 7787		223					
			310	7/29	8/4	8/29	48	
			414					
				7/29		8/29	49	
	Magnolia		125	7/28	8/4	8/29	51	
304	C.I. 8318		224					
			312	7/28	8/3	8/30	47	
			411					
				7/28		8/30	49	
	Early Prolific		126	7/29	8/4	8/31	55	
305	C.I. 5883		226					
			313	7/28	8/4	8/31	51	
			409					
				7/29		8/31	53	



seg. for maturity
lot of late heads

(Zemith growth belit on $\frac{1}{2}$ ^{near face} tall +
light green color, v. good)

(Rather short veg growth on $\frac{1}{3}$, dark q
85% stand A
85% stand B
80% " C damaged by depurster
85% " D
Hulled badly in threshing)

(Tail, v. good $\frac{1}{3}$)

Zemith standing better than mag.
in over ripe stage

(Tail, v. good $\frac{1}{3}$)

1

(Tallest $\frac{1}{3}$ v. good)

$$4.06 \times 12.90\% = (.52) -$$

$$\uparrow 4.06 - (.52) = \frac{3.54 \times 100}{86} = 4.12$$

84

Invest		Invest		Corrected value		Char. Panels
1	2	1	2	14% correction		
4.06	12.90	3.51	12.80	4.12	3.56	7.68
3.65	12.80	3.52	12.55	3.70	3.58	7.28
2.94	12.86	2.86	12.05	2.98	2.93	5.91
2.89	12.55	2.82	12.25	2.94	2.87	5.81
						26.68 2668
3.44	11.80	3.40	11.90	3.52	3.49	7.01
3.31	11.90	3.43	11.90	3.40	3.51	6.91
3.67	12.10	3.68	11.75	3.76	3.78	7.54
3.77	12.05	3.18	11.85	3.86	3.26	7.12
						28.58 2858
4.65	11.85	4.70	11.85	4.77	4.81	9.58
4.34	12.35	4.75	11.85	4.42	4.87	9.29
4.20	11.60	4.47	11.80	4.31	4.58	8.89
4.48	11.60	4.51	11.85	4.60	4.63	9.23
						36.99 3699
4.55	11.90	4.45	11.50	4.66	4.58	9.24
4.48	11.05	4.78	12.00	4.63	4.90	9.53
3.65	11.60	3.62	11.60	3.76	3.72	7.48
4.21	11.60	3.73	11.80	4.32	3.83	8.15
						34.40 3440
5.37	11.75	4.93	11.55	5.51	5.07	10.58
5.70	11.05	5.07	11.25	5.90	5.23	11.13
4.33	11.75	4.19	11.05	4.44	4.34	8.78
4.63	10.05	4.72	11.10	4.84	4.88	9.72
						40.21 4021

306 Century Patna 127 7/31 8/5 9/1 47

227

309 7/31 8/5 9/1 44

412

7/31 9/1 46

LaCross

128 8/5 8/12 9/5 50

307

228

314 8/5 8/11 9/5 48

413

8/5 9/5 49

C.V. = 6.2

L.S.D. =

Early maturing long and long Slender-grain Varieties

Cal-47-1470 108 7/28 8/4 8/31 43 9/1

308

212

303 7/26 9/3 8/29 47

405

7/27 8/30 45

Rexark

109 8/8 8/13 9/14 53 9/1

309

C.I. 8644

214

302 8/6 8/13 9/12 52

402

8/7 9/13 53

$$(0.05 \text{ line}) = 307$$

(not as tall as others on $\frac{1}{3}$ better tillering)

v. wide leaves, good;
8570 stand in B

Large number of sterile heads
which should materially reduce yield.

only 6070 stand in A. v. dark grey color
6070 " Behind long growth
7570 " C

light green, taller $\frac{2}{3}$;

4.61 11.42 5.18 12.01 4.74 5.30 10.04

4.89 12.02 5.10 12.30 5.00 5.20 10.20

4.54 11.97 4.53 11.97 4.65 4.64 9.29

4.39 12.11 4.89 11.97 4.49 5.00 9.49

39.02 39.02

3.48 11.65 3.63 11.90 3.57 3.72 7.29

3.20 11.90 3.05 12.15 3.28 3.12 6.40

3.09 11.40 2.94 11.15 3.19 3.03 6.22

3.11 11.60 2.92 11.80 3.20 3.00 6.20

26.11 26.11

average yield = 33.16

1	2	1	2	Total
4.18	11.96	3.86	11.42	4.27 3.98 8.25
3.25	11.92	3.87	11.77	3.33 3.97 7.30
2.95	11.37	3.67	12.02	3.03 3.76 6.79
3.75	11.37	3.94	11.77	3.86 4.05 7.91
				30.25 30.25
5.10	12.55	5.32	12.84	5.19 5.40 10.59
5.13	12.75	5.03	12.94	5.21 5.09 10.30
5.19	12.75	5.24	12.41	5.27 5.34 10.61
5.12	12.80	5.45	12.94	5.19 5.52 10.71
				42.21 42.21

310 Century Patna ✓ 110 7/31 8/5 9/1 45

210

6 301 7/31 8/5 8/31 43

401

7/31 9/1 44

B459A1-95-1-2,

111

8/13 8/19 9/13 45 9/1

311 Hill Sel x

213

Rexark

306 8/11 8/19 9/13 45

404

8/12 9/13 45 ✓

B459A1-118-2-1,

112

8/12 8/18 9/15 54

312 Hill Sel x

211

Rexark

304 8/11 8/18 9/15 53

406

8/12 9/15 54

B455A1-25-1-1,

113

8/11 8/19 9/15 43%

313 BBx(TPxR-SBR)

209

305 8/11 8/18 9/15 41

403

8/11 9/15 42

C50-4059,

114

7/28 8/4 8/31 44%

314 Rx Z

208

307 7/28 8/3 7/27 47

407

7/28 8/29 46

C.V. = 5.4 ; L.S.D (1.05 level)

Send new seed to Stuttgart and Crowley

not harvested 9/14

409/15

grow 50-4059 in F. plots?

305 lbs.

Bluish green $\frac{1}{3}$; excellent tillering

more upright growth than Cent & Resark
tillering, not as good as Century. It
darker green than Resark, not as tall $\frac{2}{3}$

upright flag, short sturdy straw

light green of Resark on $\frac{1}{3}$, prob.
taller than Resark, better tillering
(prob best in group for veg vigor.)

v. dark green; short veg. growth
of B&B on $\frac{1}{3}$; v good tillering.

v. uniform lit + mat. v. sturdy straw
grains have a white streak along
belly of grain.

Tallest of group on $\frac{1}{3}$; light green;
v. good growth and as good as $\frac{3}{2}$ or $\frac{1}{2}$

↘

5.49	12.75	5.32	12.60	5.57	5.41	10.98	
5.28	12.90	5.35	13.18	5.35	5.40	10.75	
5.14	12.75	5.29	13.32	5.21	5.34	10.55	
5.35	12.94	5.38	13.32	5.42	5.42	10.84	
21.26		21.34				43.12	43/2

4.68	12.70	4.73	12.85	4.76	4.79	9.55	
4.74	12.85	4.90	12.85	4.80	4.97	9.77	
5.38	13.33	5.52	12.90	5.42	5.59	11.01	
5.74	13.04	5.61	12.65	5.80	5.70	11.50	
20.54		20.76				41.83	4183

4.33	12.12	3.44	12.02	4.43	3.52	7.95	
4.08	12.12	3.74	11.67	4.17	3.84	8.01	
4.63	12.27	3.53	11.82	4.72	3.62	8.34	
3.98	12.27	3.64	11.82	4.06	3.73	7.79	
						32.09	3209

5.04	13.90	5.30	14.05	5.05	5.30	10.35	
4.30	13.46	4.80	13.15	4.33	4.85	9.18	
4.27	13.15	5.09	13.15	4.31	5.14	9.45	
5.22	13.06	4.96	13.86	5.28	4.97	10.25	
18.83		20.15				39.23	3923

4.58	12.55	4.50	12.20	4.66	4.59	9.25	
5.12	12.06	4.73	12.20	5.23	4.83	10.06	
4.61	12.20	4.84	12.55	4.72	4.92	9.64	
5.06	11.35	4.64	12.65	5.22	4.71	9.93	
						38.88	3888

array wild = 3800

Midseason Maturing Long and long Slender-grain. var

Bluebonnet 5 129 8/11 8/18 9/14 55

315

C.I. 8322

234

8 317 8/10 8/18 9/12 54

417

8/11 9/13 55

Bluebonnet 50 130 8/11 8/19 9/14 50

316

232

319 8/10 8/19 9/12 50

420

8/11 9/13 50

C4-II-1-8

131 8/9 8/14 9/12 57

317

R x BR-R

235

320 8/9 8/13 9/11 60

421

8/9 9/12 59

T. Fortuna

132 8/11 8/17 9/12 56

318

C.I. 1344

230

316 8/10 8/19 9/12 53

419

8/11 9/12 55

Improved

133 8/13 8/19 9/17 55

319

Bluebonnet 233

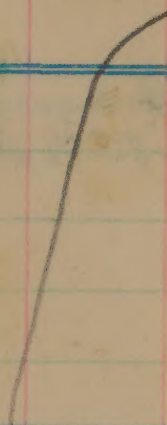
321

8/14 8/19 9/17 55

418

8/14 9/17 55

ties:



Dark green $\frac{1}{3}$, short, v. good tillering)
85% stand in B

Taller than BBT on $\frac{1}{3}$, v. good)
One third stand in B
A pl. lighter green color and taller on $\frac{1}{3}$
than BBT.

(v. tall, upright growth $\frac{1}{3}$)
Beginning to lean on $\frac{2}{3}$

(good typical foil, spreading leaves about $\frac{1}{3}$)

Taller than BBT & BBT 50 lighter green, $\frac{1}{3}$)

5.43	13.61	5.23	13.04	5.45	5.29	10.74	
4.99	13.04	4.96	13.32	5.05	5.00	10.05	
5.14	13.10	4.80	12.75	5.20	4.87	10.07	
4.44	13.04	4.48	13.32	4.49	4.51	9.00	
20.00		19.47				39.86	3986
4.23	12.75	4.51	12.90	4.30	4.57	8.87	
4.36	13.32	4.57	13.18	4.40	4.62	9.02	
3.97	13.04	3.82	12.90	4.01	3.87	7.88	
4.23	13.10	4.16	13.15	4.28	4.20	8.48	
16.79		17.06				34.25	3425
4.76	12.45	4.44	12.20	4.85	4.52	9.38	
..		4.95	12.65	5.02	5.02	10.04	
4.40	12.20	4.59	12.35	4.49	4.67	9.16	
4.56	12.80	4.39	12.50	4.63	4.47	9.10	
						37.68	3768
5.24	12.20	5.72	11.92	5.35	5.86	11.21	
4.77	12.60	5.37	12.07	4.85	5.49	10.34	
4.94	11.72	4.82	11.72	5.08	4.95	10.03	
4.72	11.72	4.64	12.02	4.85	4.74	9.59	
						41.17	4117
5.14	13.61	4.60	13.32	5.16	4.64	9.80	
4.90	13.46	4.81	13.32	4.93	4.85	9.78	
4.81	13.04	4.69	13.10	4.86	4.74	9.60	
5.20	13.46	5.31	13.32	5.23	5.35	10.58	
20.05		19.41				39.76	3976

B46-4799,

Rogue

134 8/11 8/19 9/12 48

229

318 8/10 8/19 9/13 51

415

8/11 8/2 9/13 50

B459A3-47-2-1,

Hill Selx

135 8/15 9/24 9/19 54

231

Rexark

315

(1 guard
IBBT)

8/15 9/24

52

416 (2 guards
IBBT)

8/15

9/19 53

C.V. = 5.2 L.S.D (.05)

Med-season Short and Medium-grain Varieties:

C6-I-25-12, 101 8/22 8/31 10/3 55

322 BRxBR-R 204

10 333 8/22 8/30 10/3 54

432

8/22 10/3 55

Hyb Mix 12-47-6-2, 102 8/12 8/18 10/3 49

323 Late Short-gr. 207

Bulk

332

8/11 8/17 10/3 52

435

8/12 10/3 51

white top present 1/3

level) = 303

8590 stand A dark green, short like B187?

8590 " B
C is O.K.

8590 " D

light green $\frac{2}{3}$ and more veg vigor
than any stem in group.

Exceptionally good tillering on $\frac{1}{3}$

Sadly lodged in portion of A series.
prob due to a v. fertile spot as
seen in v. Tall here

5.39	13.32	5.05	13.46	5.43	5.08	10.51
4.41	13.46	5.26	13.46	4.44	5.29	9.73
4.70	13.32	5.40	13.61	4.73	5.43	10.16
4.50	13.18	5.22	13.61	4.55	5.24	9.79
19.00		20.93				40.19 4019

5.65	12.95	5.97	12.95	5.72	6.05	11.77
5.38	12.99	5.22	12.11	5.44	5.34	10.78
5.68	12.20	5.53	12.70	5.80	5.62	11.42
4.94	12.25	4.77	12.11	5.03	4.87	9.90
						43.87 4387

average yield = 3956

5.41	12.95	5.52	12.55	5.48	5.62	11.10
4.81	12.85	5.18	13.40	4.87	5.22	10.09
4.88	13.15	4.41	13.65	4.93	4.43	9.36
4.77	12.90	5.23	13.00	4.83	5.29	10.12
						40.67 4067

5.18	11.90	5.02	11.85	5.30	5.15	10.45
4.90	11.90	5.35	11.52	5.02	5.50	10.52
5.13	11.55	5.67	11.85	5.28	5.81	11.09
5.37	11.82	5.47	12.10	5.51	5.59	11.10
						43.16 4316

324	Calrose	103	8/5	8/11	9/13	53
		202				
		335	8/7	8/12	9/13	50
		433	8/6		9/13	52
325	Caloro C.I. 1561-1	104	8/7	8/12	9/14	51
		203				
		331	8/8	8/12	9/14	52
		430	8/8		9/14	52
326	B438A1-104-4, Sm BR-BR41x 8326	105	8/20	8/30	10/3	50
		201				
		329	8/19	8/30	10/3	51
		429	8/20		10/3	51
327	Blue Rose C.I. 1962	106	8/19	8/29	10/3	57
		206				
		334	8/19	8/27	10/3	55
		434	8/19		10/3	56
328	B4325A1-77-6, Bruin Selx F-Red	107	(1 guard) BR	9/1	10/3	52
		205	(2 guards) BR			
		330	(2 guards) BR	9/8	10/3	53
		431	(2 guards) BR	8/27	10/3	53
C.V. = 3.8		L.S.D. (.05 level) =				

Calera appears to be standing
better than Calera 2.

85% stand A;	Large no. discolored
85% " B	flour
sl thin " C	
sl thin " D	

lighter green color than BK on 7/3;
V. good growth
Later than BK & shorter stem

5.76 12.35 5.13 12.85 5.87 5.20 11.07
 5.48 11.80 5.04 12.65 5.62 5.12 10.74
 5.11 11.90 5.52 12.75 5.23 5.60 10.83
 5.58 12.00 5.42 11.40 5.71 5.58 11.29
 43.93 4393

5.96 12.75 5.86 13.63 6.05 5.88 11.93
 5.65 13.25 4.92 12.75 5.69 4.99 10.68
 5.06 13.25 5.69 13.50 5.10 5.72 10.82
 5.67 13.25 5.61 13.25 5.72 5.66 11.32
 44.81 4481

5.48 13.30 5.30 13.35 5.52 5.34 10.86
 5.63 13.78 4.95 13.40 5.64 4.99 10.63
 5.87 13.15 4.97 12.90 5.93 5.03 10.96
 5.52 13.15 5.20 13.17 5.57 5.26 10.83
 43.28 4328

5.60 12.20 5.52 12.05 5.72 5.64 11.36
 4.98 12.85 5.02 12.00 5.05 5.14 10.19
 5.56 12.60 4.63 11.60 5.65 4.76 10.41
 5.13 12.15 5.42 12.12 5.24 5.53 10.77
 42.73 4273

5.06 13.65 4.85 13.90 5.08 4.86 9.94
 4.70 13.15 5.04 13.90 4.74 5.05 9.79
 4.91 13.60 5.13 13.40 4.93 5.16 10.09
 4.27 13.60 4.90 13.10 4.29 4.95 9.24
 39.06 3906

average yield = 4252

Late Maturing Varieties:

329	C3-12, 7/8 Rex 3		115	9/11	10/20	52
			218			
	9	322	9/9	10/19	53-	
			427			
330				9/10	10/20	53
	T. Patna 49		116	9/9	10/17	51
			221			
			327	9/8	10/16	51
			428			
331				9/9	10/17	51
	Texas Patna		117	9/5	10/9	55
	C.I. 8321-1		220			
			323	9/4	9/14	10/9
			426			56
332				9/5	10/9	56
	Rexoro		118	9/14	10/20	53
	C.I. 1779		215			
			328	9/14	10/20	54
			422			
333				9/14	10/20	54
	B43-280-1-3,		119	9/4	10/12	55
	T. Patna Sel		217			
			324	9/11	9/13	10/12
			424			53
				9/3	10/12	54

215

221

422

Semi white Top 7/3

85% standard A dark green $7/5$;

medium light green color $7/3$ but
veg. growth of group.

L. shorter than most, on $7/5$, narrower
leaves, & better tillering, leaves are
narrower as cutting.

1	2						
4.84	13.57	4.55	13.29	4.86	4.59	9.45	
4.24	13.34	4.29	13.34	4.27	4.33	8.60	
5.21	13.75	4.95	13.78	5.22	4.97	10.19	
5.05	14.40	4.89	14.00	5.02	4.89	<u>9.91</u>	
						38.15	3815
4.72	12.55	4.87	13.34	4.80	4.91	9.71	
4.40	12.65	4.39	12.37	4.47	4.48	8.95	
4.93	12.56	4.68	13.07	5.01	4.73	9.74	
5.07	13.39	4.64	12.76	5.10	4.71	<u>9.81</u>	
						38.21	3821
5.53	12.76	4.79	12.76	5.60	4.86	10.46	
4.63	13.05	4.82	13.34	4.69	4.86	9.55	
5.39	12.76	5.33	12.76	5.47	5.41	10.88	
5.21	12.60	4.92	12.70	5.29	5.00	<u>10.29</u>	
						41.18	4118
4.50	13.67	4.31	13.56	4.51	4.34	8.85	
4.04	13.10	4.20	12.99	4.08	4.24	8.32	
4.40	14.70	4.20	13.95	4.36	4.20	8.56	
4.78	13.51	5.02	15.20	4.80	4.95	<u>9.75</u>	
						35.48	3548
5.62	12.06	5.19	12.11	5.74	5.30	11.04	
4.87	12.11	5.12	11.92	4.98	5.24	10.22	
5.50	12.21	5.16	12.06	5.62	5.28	10.90	
5.24	12.06	5.47	12.06	5.36	5.60	<u>10.96</u>	
						43.12	4312

334 C.I. 8343, 120 8/31 9/11 10/6 55
 RxD 216

326 8/28 9/9 10/5 56

425

8/30 10/6 56

B4527A1-48-7-1, 121 9/17 10/19 52

335 TP49 x Rexoro 219

325 (1 guard)
 TP49 9/11

10/19 52

423 (2 guards)
 TP49

10/19 52

9/12

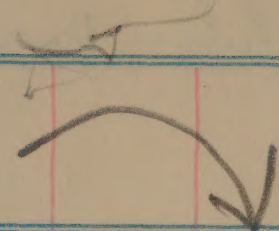
~~333~~ C.V. = 4.6

L.S.D. 0.05 level

= 273,

(dark green on 7/3, good)

(as good as TP49 on 7/3, v. good)



6.91	12.36	5.92	12.60	7.05	6.01	13.06
5.46	12.27	5.34	12.37	5.57	5.44	11.01
5.54	12.27	5.79	13.60	5.65	5.81	11.46
5.78	12.95	5.53	12.75	5.85	5.60	<u>11.45</u>
						46.98 4698

4.50	14.75	4.21	13.62	4.47	4.23	8.70
4.40	13.86	4.56	13.15	4.41	4.60	9.01
4.70	14.34	4.58	15.00	4.69	4.52	9.21
4.35	12.60	4.65	13.43	4.42	4.69	<u>9.11</u>
						36.03 3603

average yield = 3988

Engleton Variety test

B45-15-5-10, A 101
 401 Hill Med x Z. B 204
 C 330
 D 432

B45-15-1-3-5, 102
 402 Hill Med x Z 203
 334
 435

Zemith 103
 403 C.I. 7787 202
 332
 431

Magnolia 104
 404 C.I. 8318 (206)
 335
 433

Early Prolific 105
 405 C.I. 5823 207
 333
 434

Doesn't show sturdiness, usually
closed on this soil.

Is noticeably taller than 401
Greg. ht.

very little if any taller than
402. Found one glabrous
with plant.

much like 2, possibly some
taller

leaving consid. on 9/16, 2 +
Mag. still standing O.K.,
taller than 2 + Mag.

(20) 3.57
 300 4.12
 30 4.57
 30 5.10

300 4.40
 300 4.40
 300 4.40
 300 4.76

300 4.40
 300 4.40
 300 4.40
 300 4.40

300 4.40
 300 4.40
 300 4.40
 300 4.40

406 Century Patna (106)
(206)

205

331

430

407 hacross

107

201

329

429

~~408~~

408 Calif-47-1470

108

209

311

408

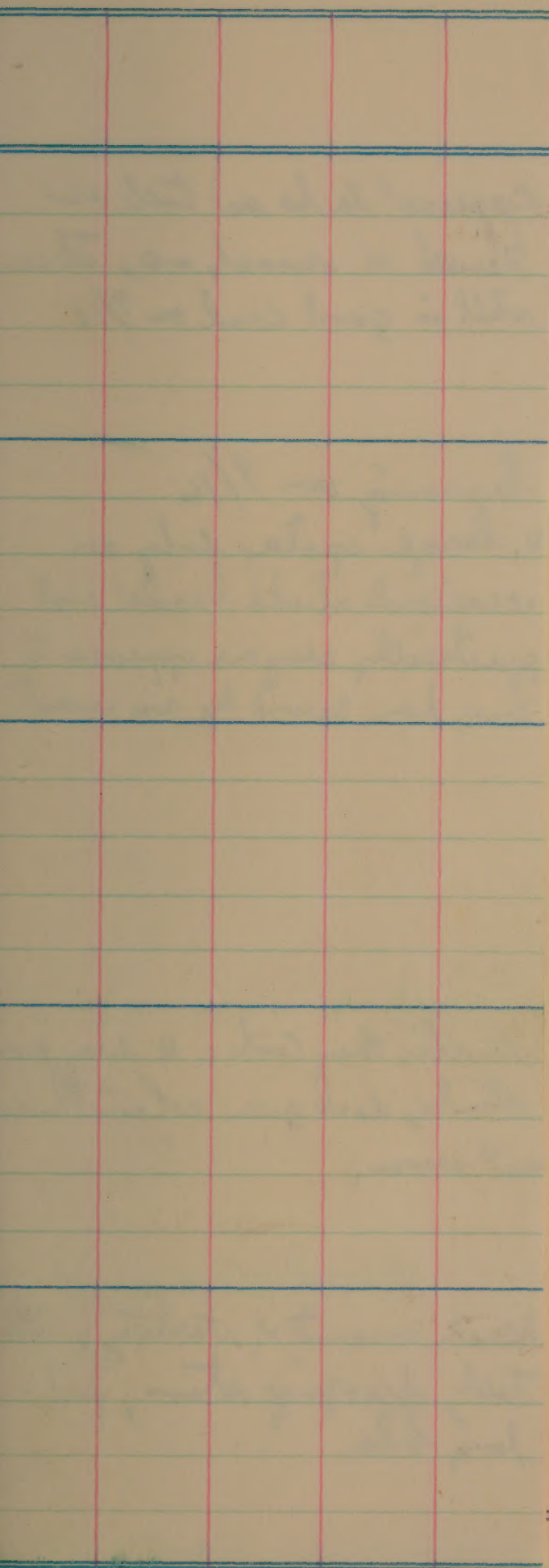
409 Rexark
C.I. 8644

109

214

313

414



appears to be as tall as
Zinnia or nearly so, stem
still in good cond. on 9/16

Leaving on 9/16
v. large spots, only an
occasional sterile heads and
practically every one appears to
have been caused by an insect

shorter than Cent, a very poor
stand; dark green color through
out season,

usual amount of sterility; rather
tall, drooping stems, fairly
long hds.

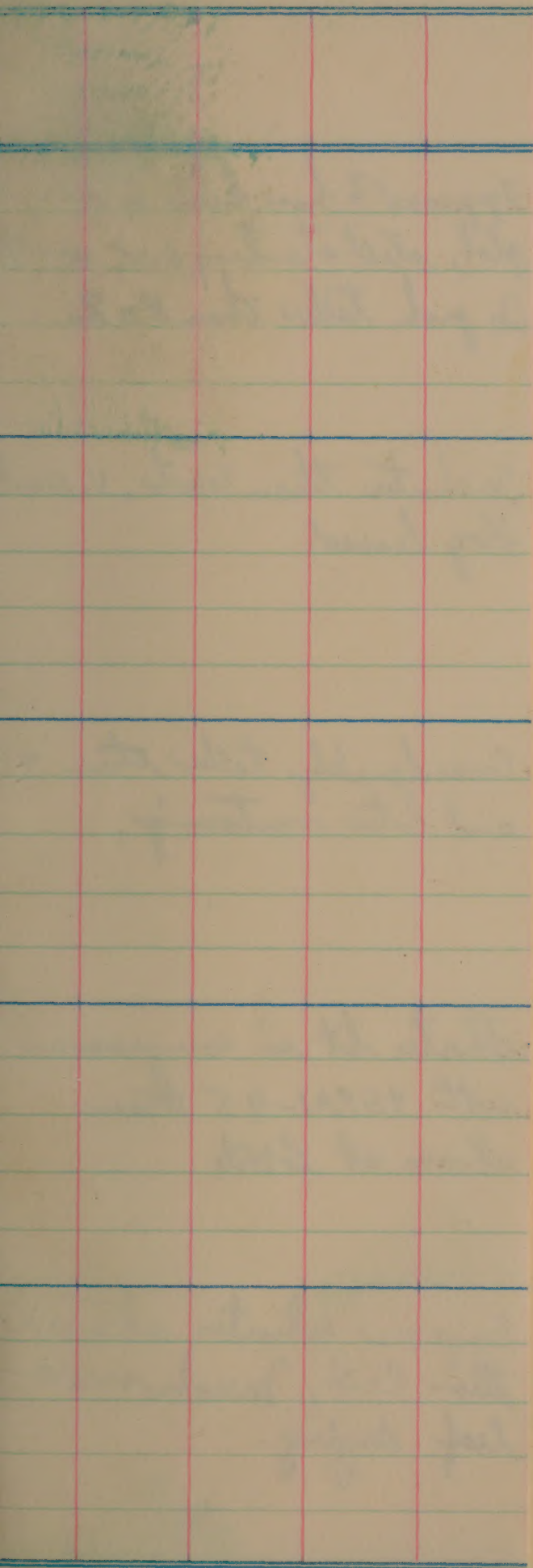
410 Century Patna 110
 210
 308
 410

411 B459A1-95-1-2, 111
 Hill Sel x 211
 Rexark 312
 413

412 B459A1-118-2-1, 112
 Hill Sel x 212
 Rexark 314
 409

413 B455A1-25-1-1, 113
 BBt x (TPxR-SBR) 213
 309
 412

414 C50-4059, 114
 Rx Z 208
 310
 411



Appears to have been a very big
plot, still standing O.K. on 1/16
Is prob. taller than R x 2

Is shorter than Cent. v. erect
flg less.

Considerably taller than 411
and later maturing.

Shorter but in comparison
with 459A1-95 than
shown at Bmt

Appears shorter stunted
than Cent, much more
leaf drying.

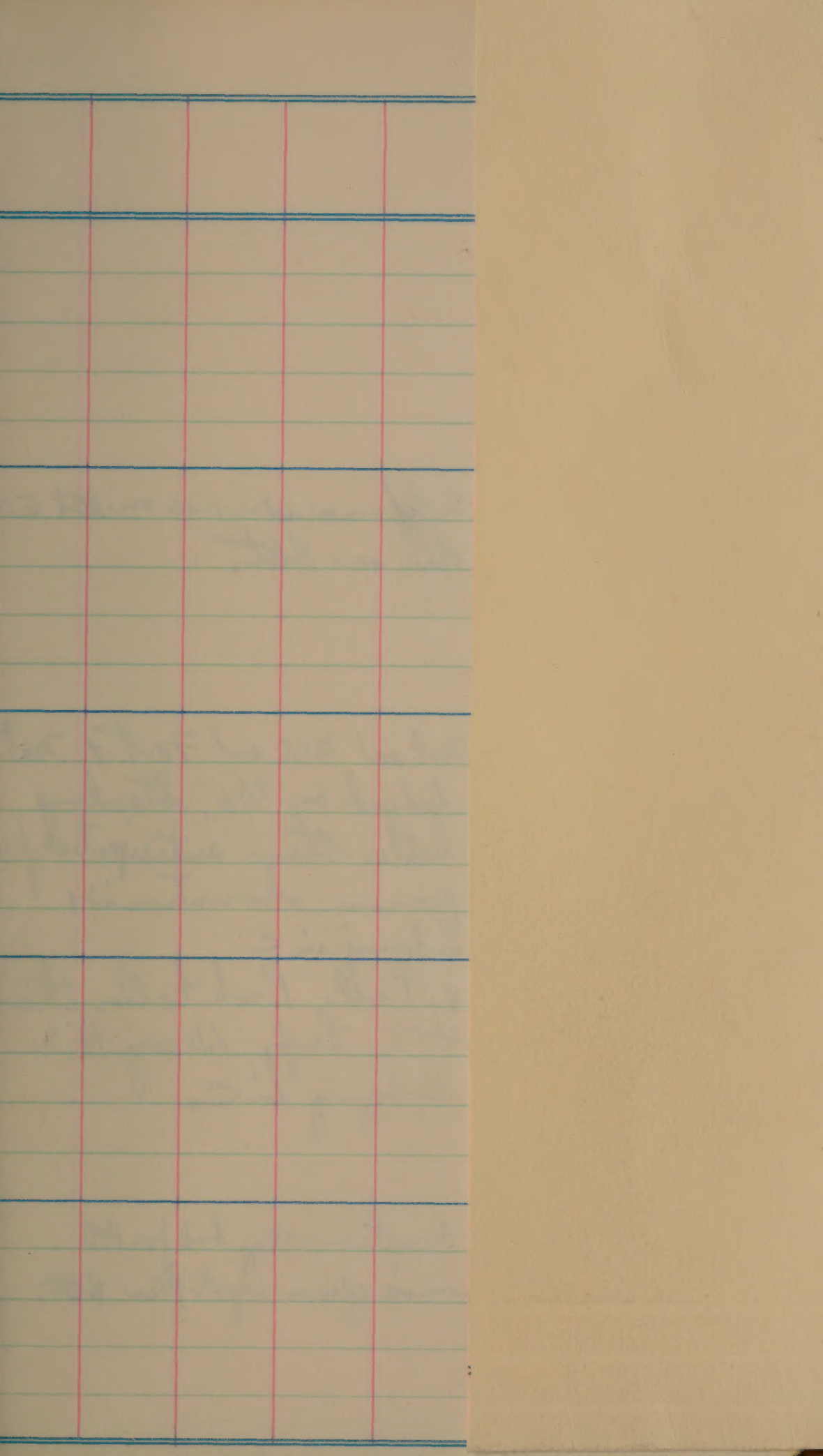
Bluebonnet 115
 415 C.I. 8322 216
 307
 403

Bluebonnet 50 116
 416 219
 303
 402

CH-II-1-8 117
 417 R x BR-R 218
 301
 405

T. Fortuna 118
 418 C.I. 1344 215
 302
 406

Improved 119
 419 Bluebonnet 217
 305
 407



Eutyloma worse on BBT 50
than on BBT.

not as tall as Fort & not
lodged on 9/6. Standing
better than anticipated from
previous observations.

Lodging in C

v. Tall. Prob. taller than
417. Leafy / Heavy H.D.
Lodging in C.

Exceptionally bad for HD
more glume spot than BBT.

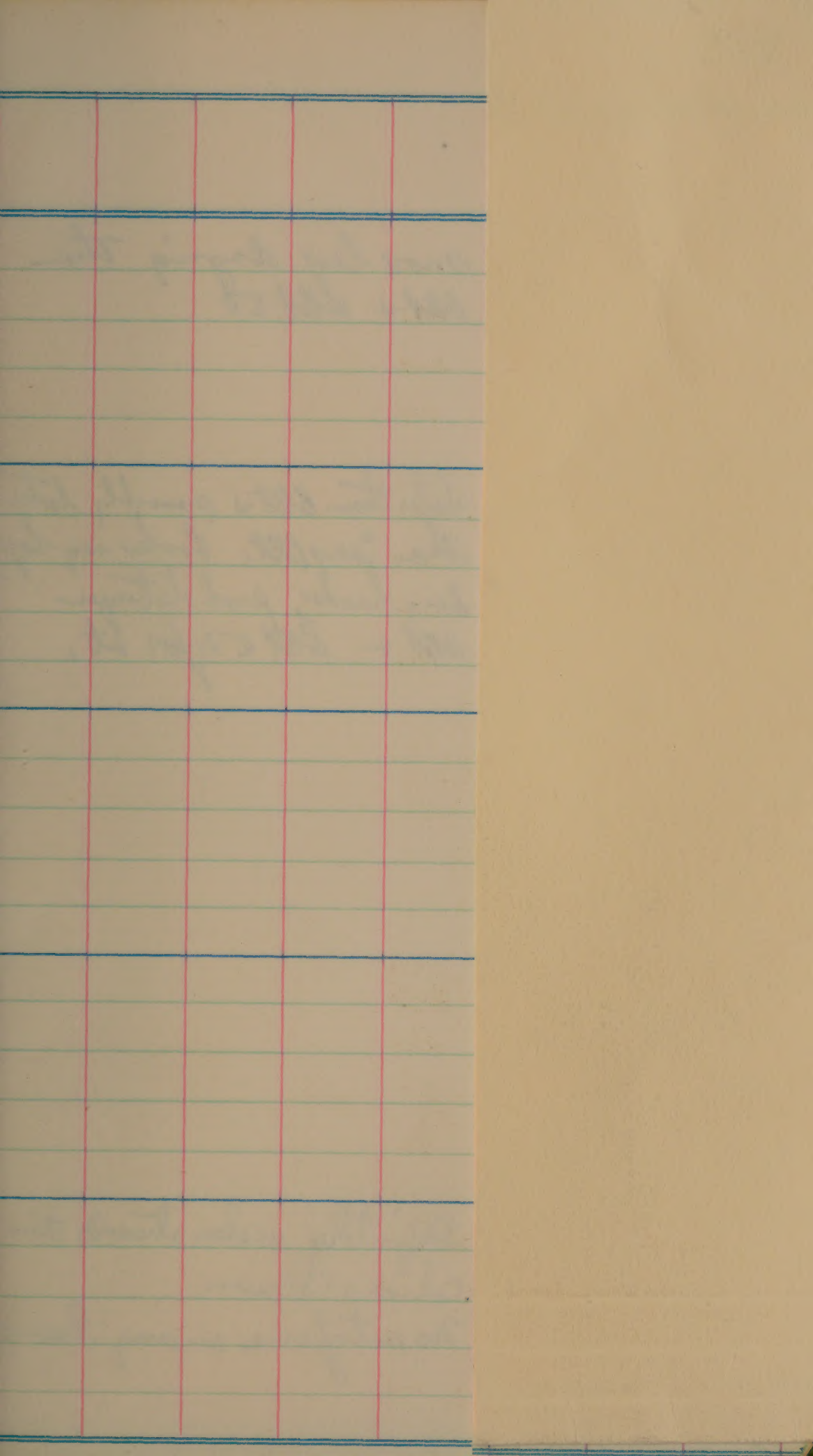
420 B46-4799, 120
 Rogue 221
 304
 404

421 B459A3-47-21, 121
 Hill Sel x 220
 Rexark 306
 401

422 C6-I-25-12, ¹222
 BRx BR-R 224
 317
 421

423 Hyb MIX1247-6-2, 123
 Late Short-gr. 228
 Bulk 315
 415

↓ sown out of order.



more leaf drying than
BBT + BBT 50

Later than BBT + possibly later
than ImpBBT. Looks very dry,
long heads, prob heterogen
BBT + BBT 50 for hb.

Definitely much stunted than
Calrose + Calrose.

No entyloma on any leaves

100
100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

424 Calrose 124
 122[✓]
 316
 420

425 Caloro 125
 C.I. 1561-1 227
 318
 416

426 B438A1-104-4, 126
 Sm BR-BR41 226
 X 8326 320
 419

427 Blue Rose 127
 C.I. 1962 225
 321
 417

428 B4325A1-77-6, 128
 Bruin Selx 223
 F-Red 319
 418

cleaner for HO than BR.
v. little entyloma while
BR is quite bad, much
shorter straw than BR.

111

429 C3-12, 129
 7/8 Rexoro 229
 325
 425

430 T. Patna 49 130
 232
 326
 428

431 Texas Patna 131
 C.I. 8321-1 234
 322
 422

432 Rexoro 132
 C.I. 1779 231
 324
 426

433 B43-280-1-3, 133
 T. Patna Sel. 230
 328
 427

glumes badly discolored
on 9/16, v. bad for H. O.

Considerable hull discoloration
but not as bad as C3-12,
2s earlier which may be
reason.

Is very tall, has as much
glume discoloration as TP49

The early heads have badly
discolored glumes. Late
heads just coming out and
are mostly free but too early
to tell. Later than 7/8 Rex
growing quite tall, (between Rex
& T.P. for h) Day plot
Clean for HO

1981

1981-1982

1982

1982-1983

1983

1983

1984

1984-1985

1985

1985-1986

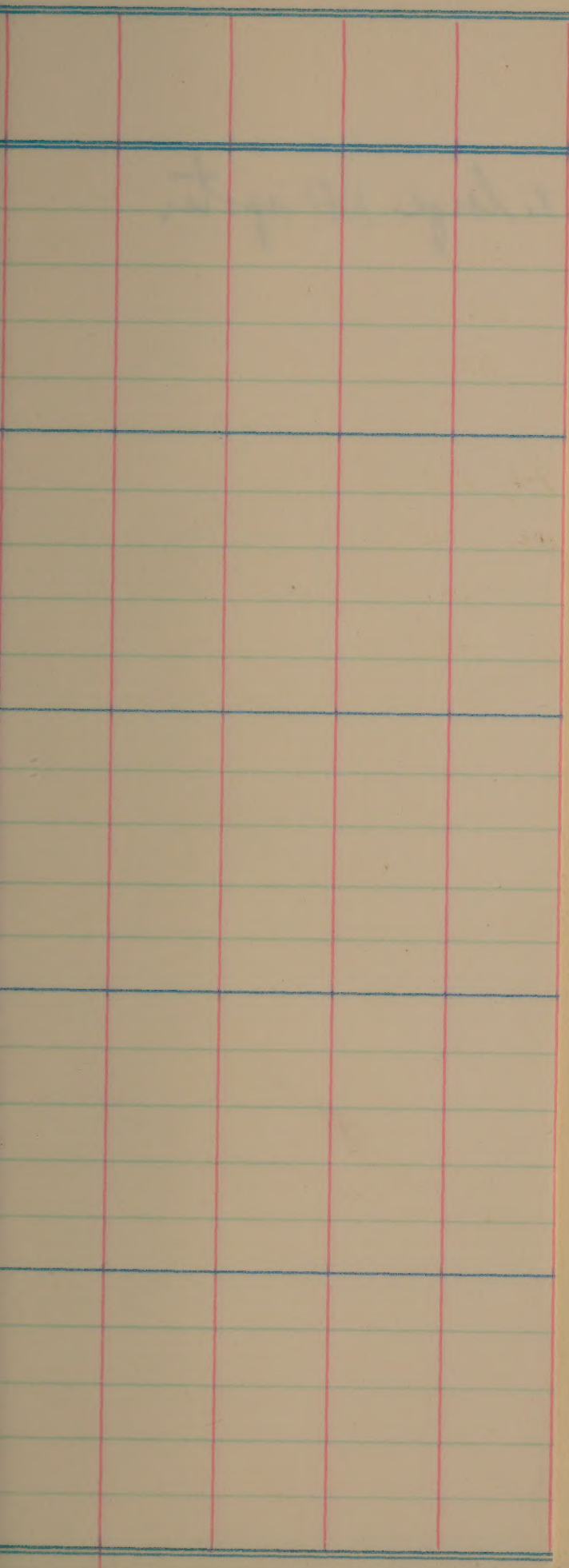
1986

1986

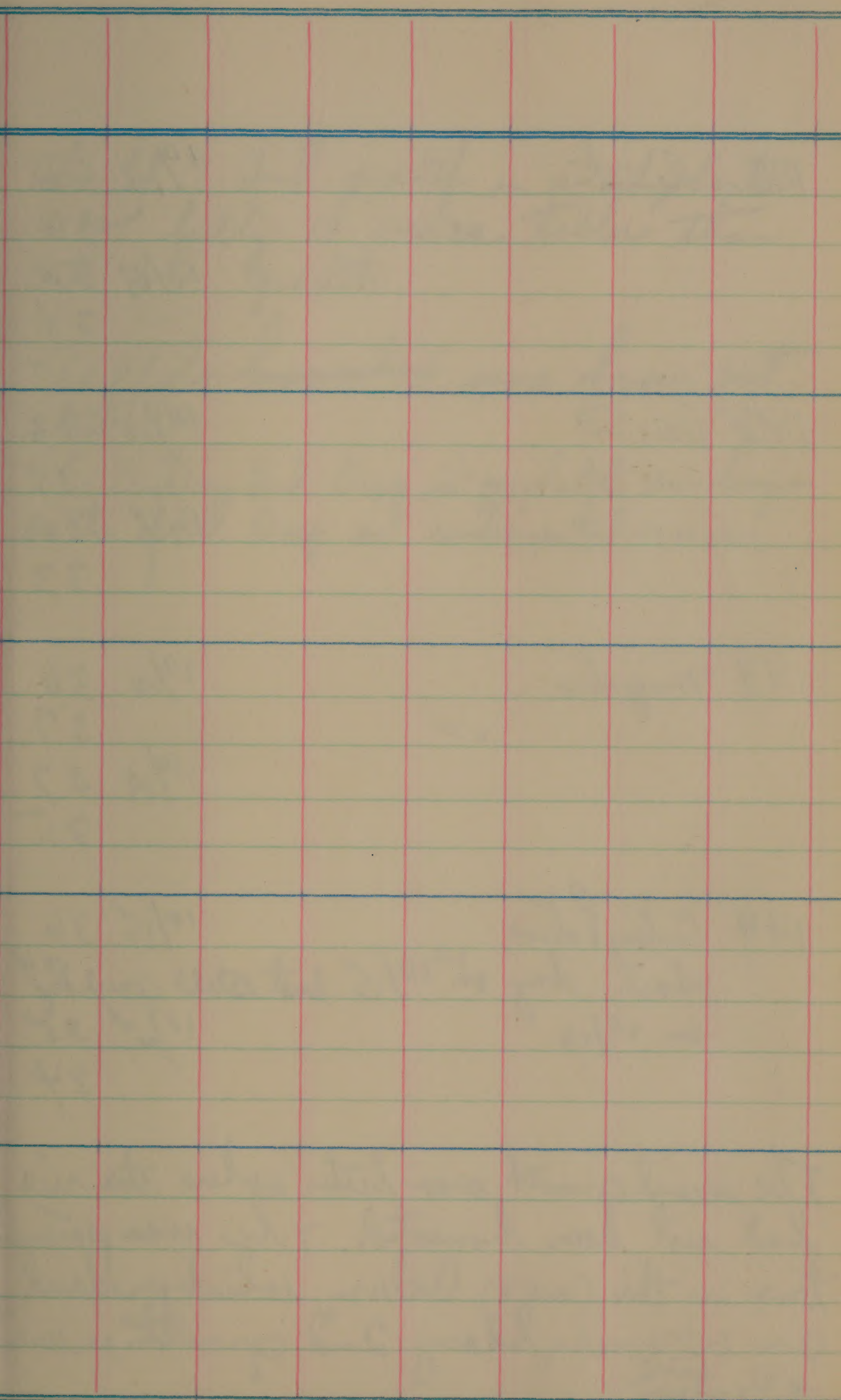
1987

434 C.I. 8343, 134
RxD 233
323
424

435 B4527A1-48-7-1, 135
TP49xRexoro 235
327
423



1. large HO spots.



141	Zenith		10/10	36
		21		36
			10/18	36
				34

142	Harv 2		10/10	33
		24		34
			10/18	34
				33

143	magnum		10/10	36
		22		37
			10/14	37
				35

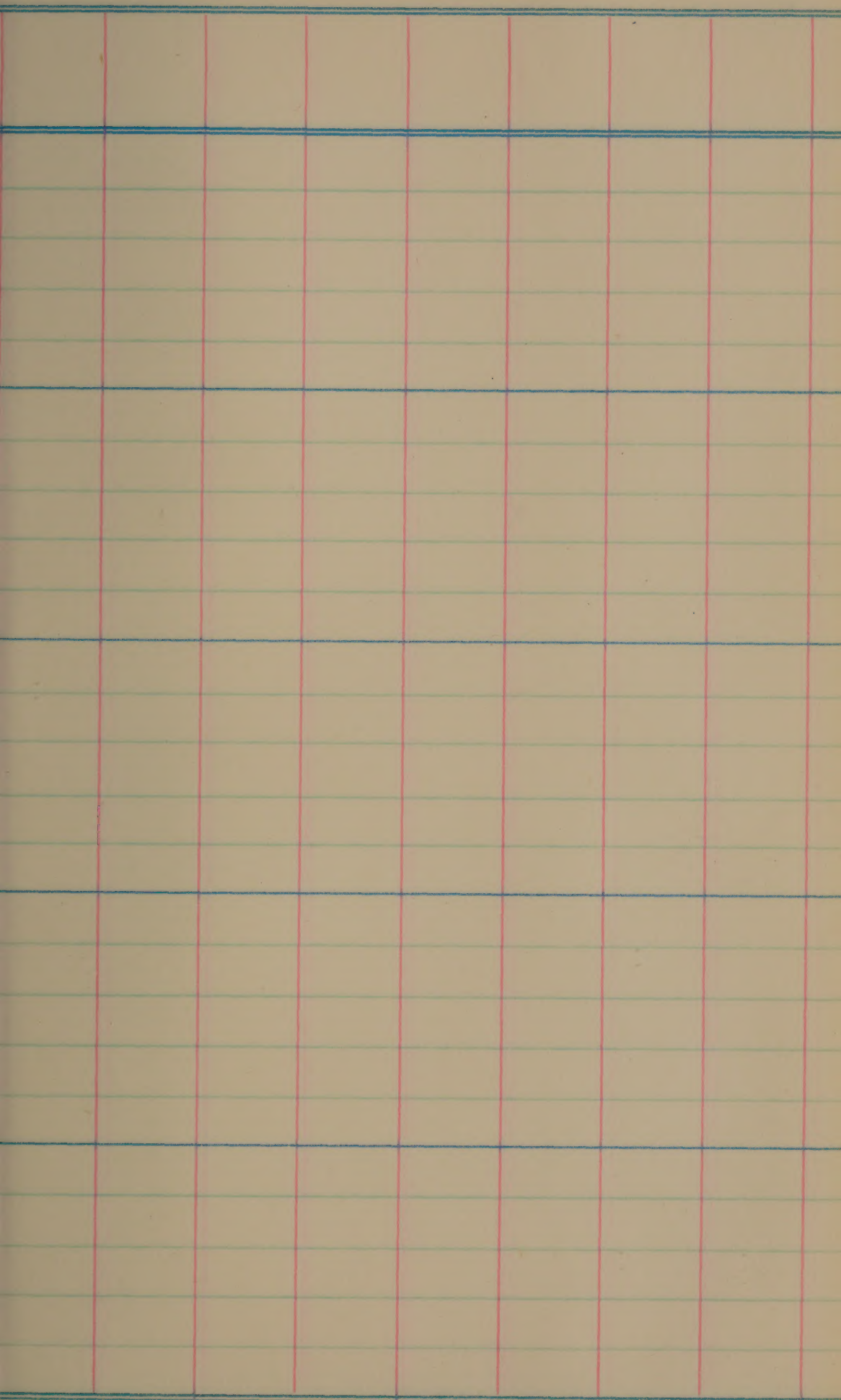
144	Century Patrol		10/15	36
	Soil dry on 10/10	23	10/15	34
			10/22	35
				34

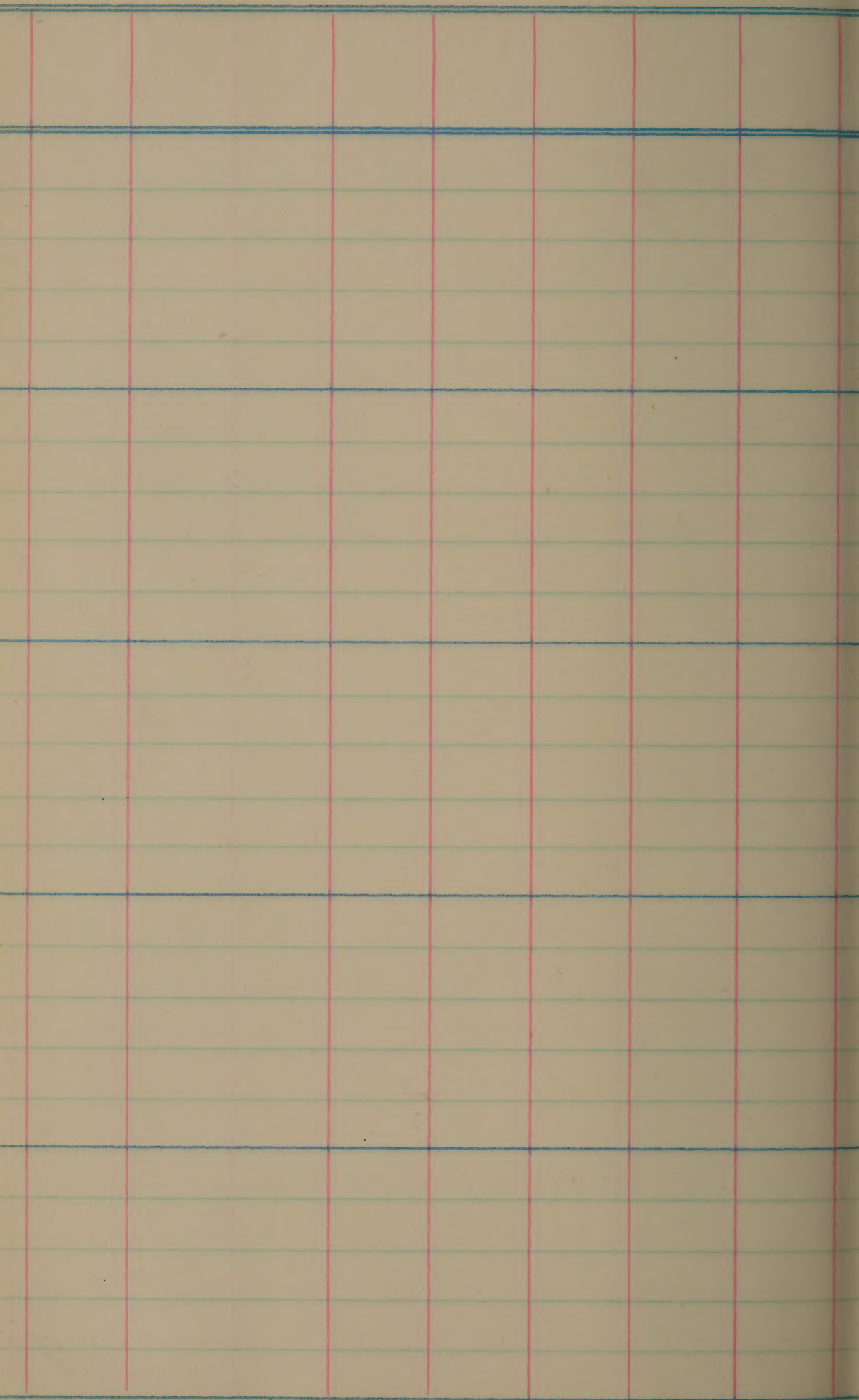
The second growth was better where the rice had not been harvested. This was particularly true in the case of Century which produced an extremely heavy 2nd growth on uncut plants.

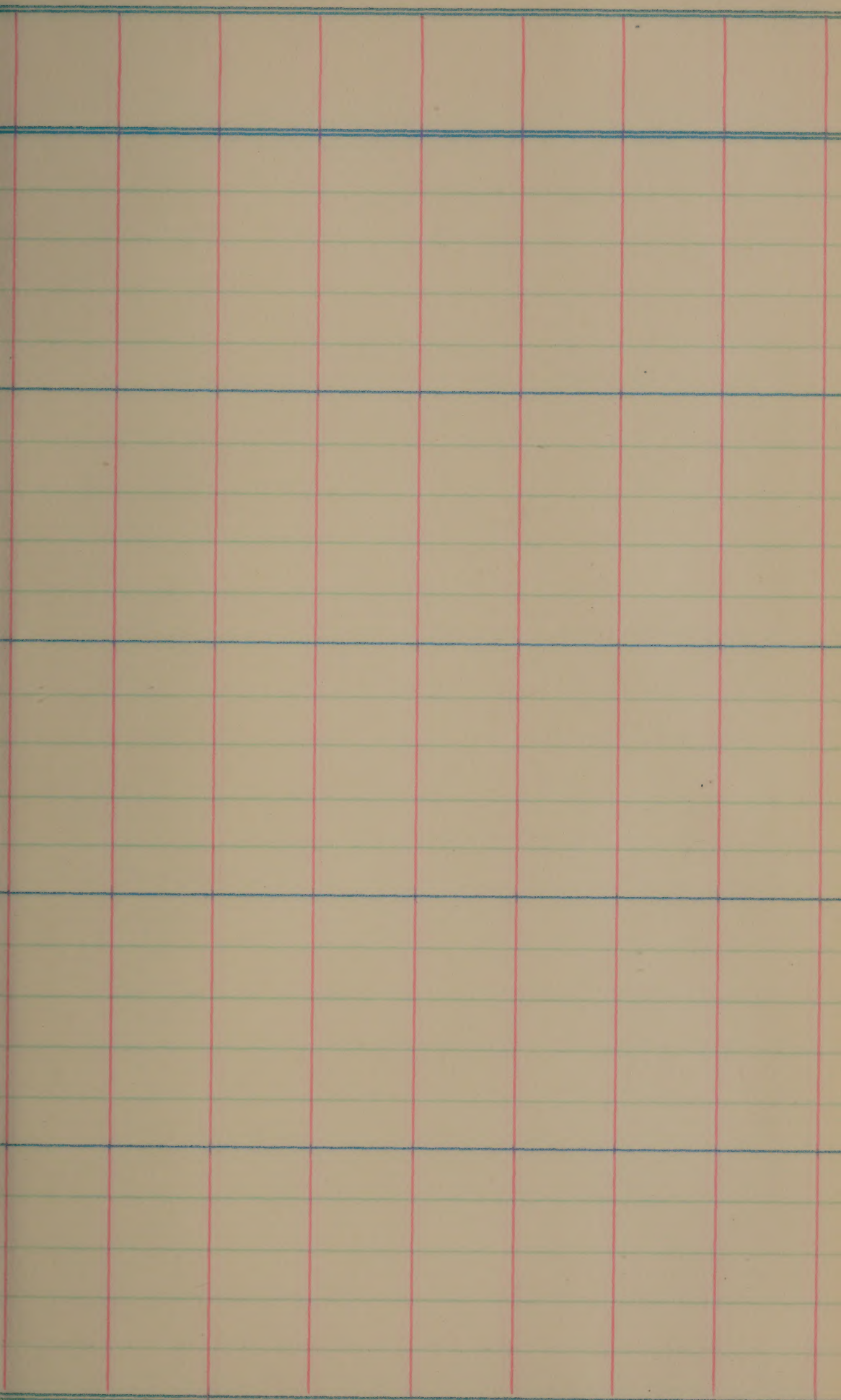
The lot of 2nd growth or uncut plants was fully 10 inches taller than cut 2nd growth.

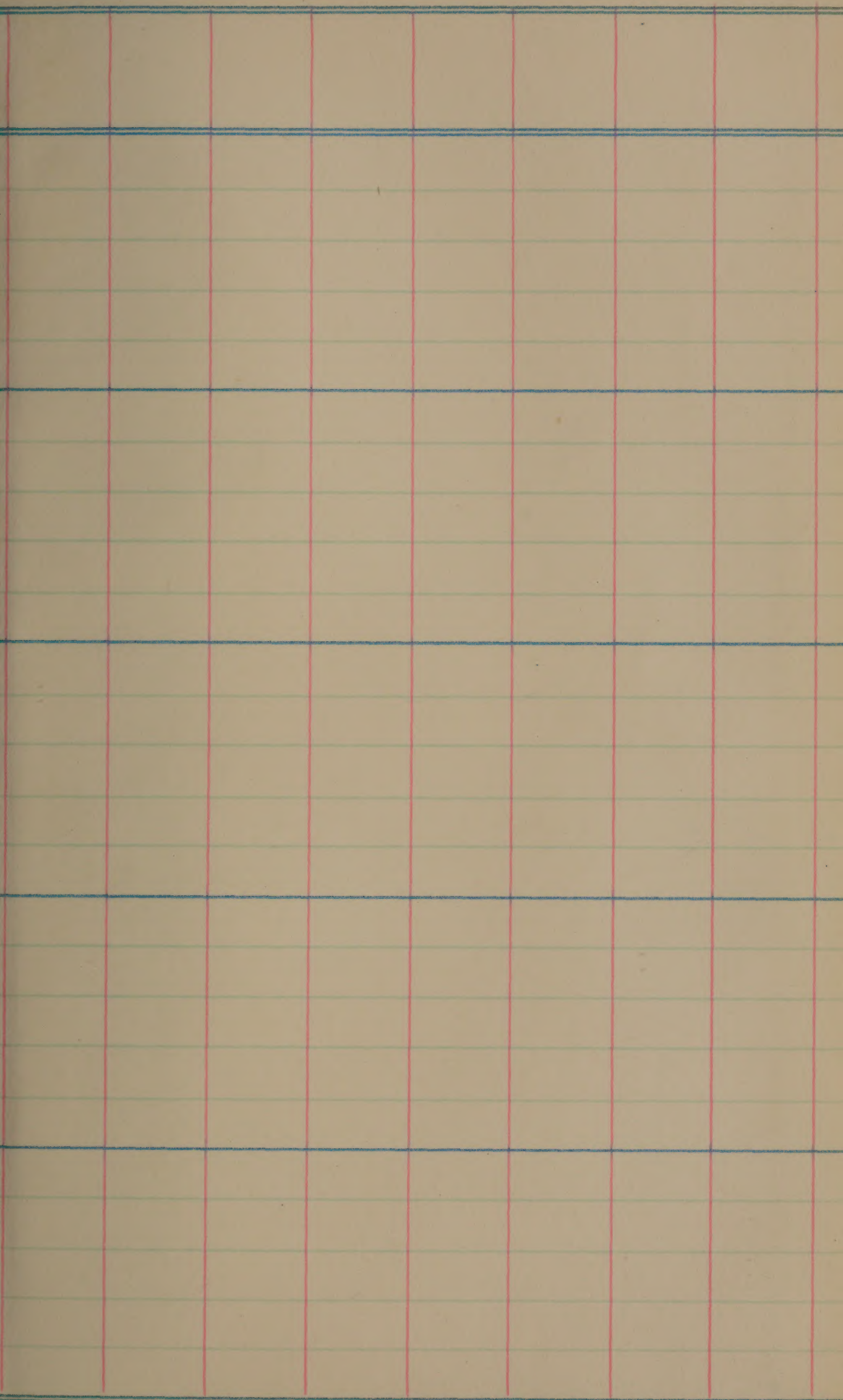
The plots ~~harvested~~ were from cut stubble.

The Century 2nd Crop is probably as heavy as the first crop on unharvested areas.









153

154

155

165

166

167

168

189

193

194

195

196

323
324
325

Ready tree
Hr on 9/15

201

202

203

204

161

162

164

Second growth notes on
March date on page 146

If this notebook is lost will finder please mail to:

U. S. DEPARTMENT OF AGRICULTURE

Bureau of Plant Industry, Soils, and
Agricultural Engineering,

Division of Cotton and Other Fiber Crops
and Diseases

Washington 25, D. C.

16-61780-1

SUGGESTIONS CONCERNING FIELD DATA AND NOTES

DIVISION OF COTTON AND OTHER FIBER CROPS AND DISEASES

It is suggested that the following general information be recorded for each field experiment:

1. Name of experiment or study.
2. Soil type.
3. Previous crops and fertilizers (2 years).
4. Preparation of land: (a) Methods (b) Dates
5. Size of plot:
 - (a) Area in square feet
 - (b) Number of rows
 - (c) Length of rows
 - (d) Width of rows
6. Fertilizer:
 - (a) Pounds per acre
 - (b) Analysis (N-P-K)
 - (c) Time of application
 - (d) Method of application
 - (e) Side dressings
7. Planting: (a) Date (b) Rate (c) Method
8. Thinning: (a) Date (b) Method (c) Approximate optimum spacing attempted
9. Cultivation: (a) Implements used (b) Dates
10. Dates at which all notes and samples are taken.
11. Dates of pickings.

The following suggestions are made in regard to recording data:

1. Record all dates as figures, giving the month and day of month, as 5/16 (May 16).
2. Record all field weights in pounds and decimal fractions of pounds. The requisite accuracy depends somewhat on the size of sample, but for ordinary size plots 0.1 pound is usually satisfactory. It is suggested that small samples be weighed more accurately (0.01 pound).
3. Estimations, such as seeding vigor, shedding, color, etc., may be recorded either numerically or with letter designations, as is found convenient; for example (seeding vigor), 1=Excellent, 2=Good, 3=Medium, 4=Fair, and 5=Poor; or E=Excellent, G=Good, M=Medium, F=Fair, and P=Poor. An explanation of legends should be recorded for each variable and experiment.
4. Diseases and insect pests.
 - (a) GENERAL.—Attack by diseases or insect pests should be recorded by suitable legends to indicate type of disease or pest, percent of plants killed or affected, and in serious attacks, estimating crop loss. For example, FW *5/35-7. (Footnote* Fusarium wilt 5 percent plants killed, 35 percent affected, 7 percent loss estimated).
 - (b) SPECIAL.—Where the book is used for taking notes on regional field tests on disease resistance, treatments, etc., it is suggested that directions which are furnished for taking uniform data be pasted, or copied, in the front of the book.
5. Diagram, to scale, the block on which each experiment is conducted, showing visible soil differences, variable plant response attributable to soil differences, drainage, or unequal irrigation, slope of land or contours, and any other features which may materially assist in interpreting the results. The square ruled paper in the front of the book may be found useful for this purpose.
6. Explain clearly all legends used.
7. Identify all experiments as to location on blocks and YEAR.

For types of experiments for which this book does not provide ample page space, larger sheets should be utilized. In taking data, which are to be reported in this book, or on larger sheets especially provided, the field or laboratory determination should be written directly at the time of weighing or otherwise determining, and submitted to Washington, or filed as the permanent record. Avoid all possible transcribing or typing of raw data.

GREENHOUSE 1952-53

NOS. 7001 —

Fertilized 7071 - 7223 with
80-40-0 Jan 2, 1953

Fertilized - 7244 - 7259
with 80-40 Jan 27, 1953

zenith parents

center 23
52-

1.	52-	7026	transplanted from field	52-
2.	"	7027		"
3.	"	7028		"
4.	"	7029		"
5.	"	7030		"
6.	"	7031		"
7.	"	7202	planted 12/2/52	"
8.	"	7203		"
9.	"	7204		"
10.	"	7205		"
11.	"	7206		"
12.	"	7207		"
13.	"	7208		"
14.	"	7209		"
15.		7210		"
16.		7211		"

point

cut 231 x 32 ft

7032

52-7034

7036

-7038

7039

7049

7040

7071

7053

7072

7081

7073

7082

7074

7083

7075

7084

7076

7085

7077

7086

7078

7087

7079

7088

7080

7089

7090

7091

F₁ + parent material from 1952
cross planted in cups
12/3/52

87
59

146

B511A CROSSES

$$B_1 \text{ Zenith} \times (\text{cent} \times \text{gen}) = \cancel{59} \quad 109 + 21$$

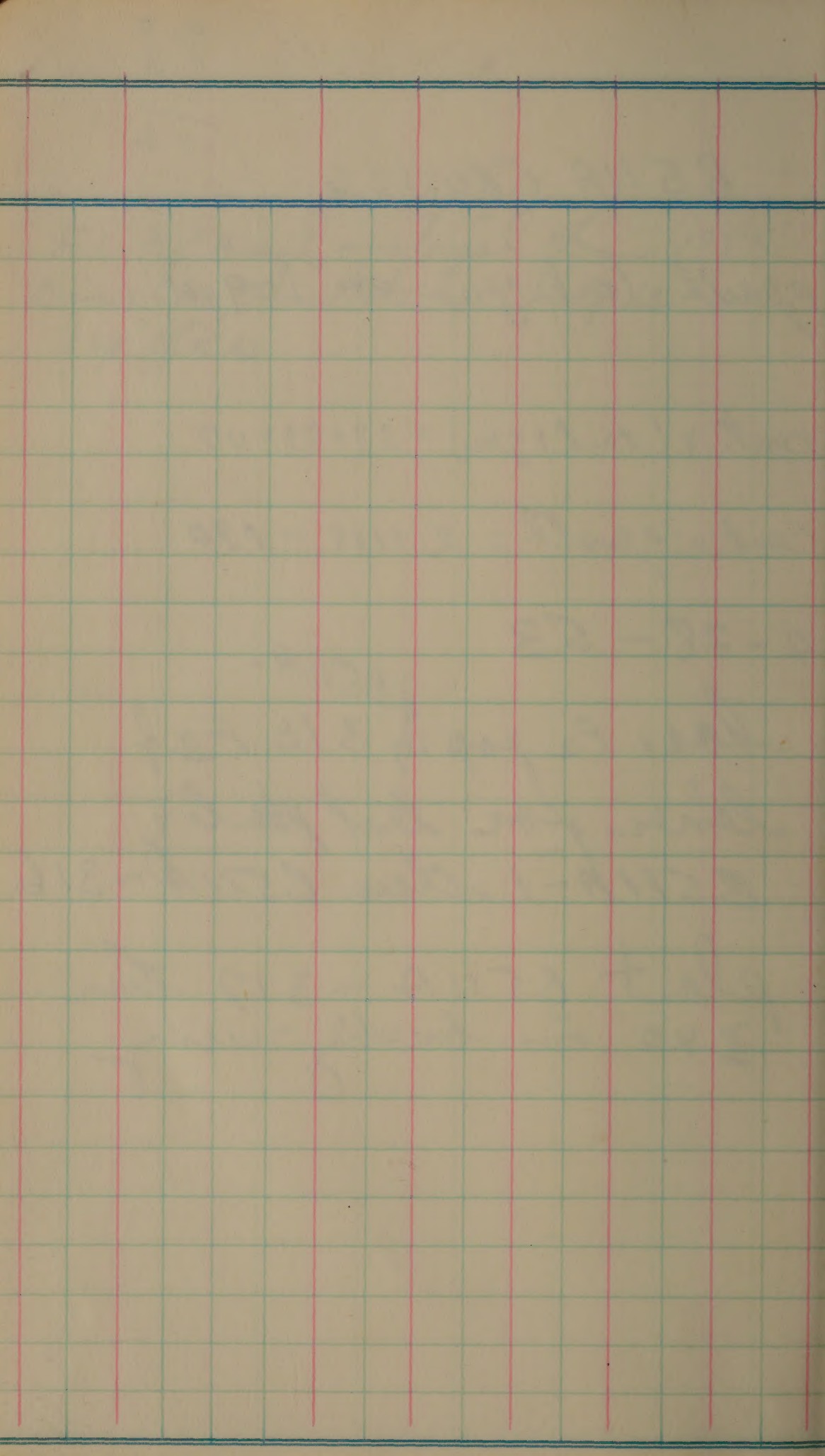
$$B_2 \text{ cent.} \times (\text{cent} \times \text{gen}) = 38 + 79 = 117$$

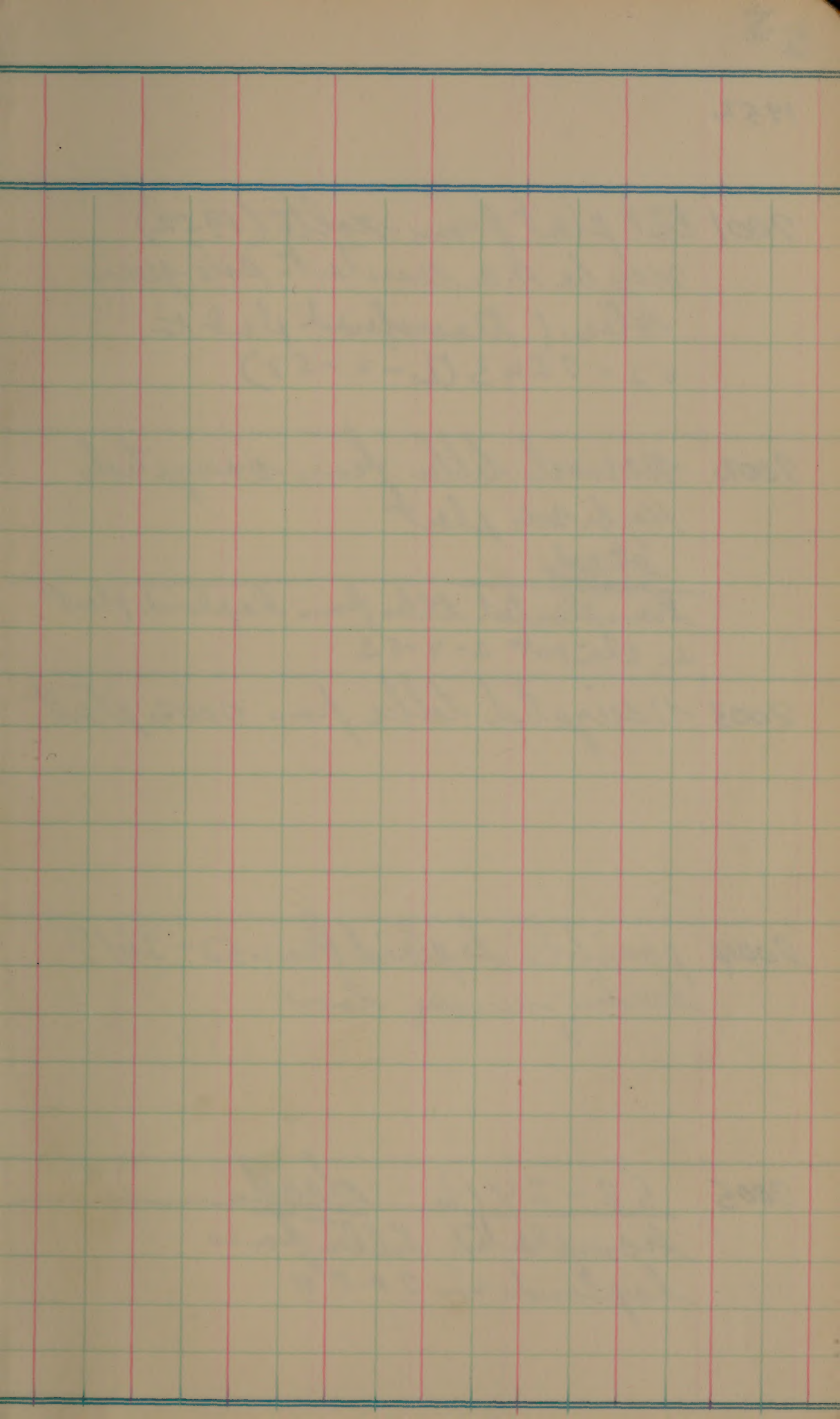
$$F_1 \text{ cent} \times \text{gen} = 2 + 188 = 190$$

4-28-53

has. F_2 pop. ^{B511A-} 316 F_3 f
liner for test planting
B511A-1 thru B511A-316

plant B511A-317 thru
340 in breeding nursery





1952

7001 BBT plant from Nolte (1952)
 may be H.O. recedant - pale green
 color. (transferred plant to
 52-7243 (2-2-53))

7002 normal tiller from variegated
 Hyb. mix plant
dead

transplanted tiller from haploid plant
 in the pot 2-4-53

7003 Variegated tiller from 7002 plant

7004 possible haploid from 52-3617
 breeding nursery row

7005 52-2416 dead
 transplanted tiller from
 haploid in 7004

2006 52-2413

2007 SALT WATER CO19 ✓
FROM INDIA

2008 " CO19

2009 " CRH7
closed with C.P. 231 on 1-29-5
C.P. 231 in pit 52-2066

2010 " CRH7 ✓

2011 SALTWATER
FROM INDIA

GE824 ✓

2012

"

GE824

2013

"

7829 L ?

2014

"

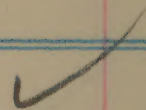
SL019 ✓

2015

"

SL019

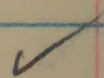
2016 SALT WATER CO25
FROM INDIA



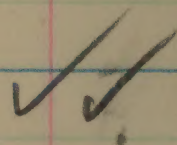
2017 " CO25

2018 " MT01

2019 " MT01



2020 " CRH13



2021 SALT WATER CAH13
FROM INDIA

2022 " MTU15
P.I. 198, 235

2023 " MTU15
P.I. 198 235

2024 " SR26B ✓

2025 " SR26B

2026 Zenith parent of 511A

2027 Zenith parent of 511A

2028 Zenith parent of 511A

2029 Zenith parent of 511A

2030 Zenith parent of 511A

7031 zenith parent of 511A

7032 century 231 parent of 511A

7033 F₁ - 5123A IMP. BBT X SPI 180,060

field
5-1

7034 F₁ - 511A cent 231 X zenith

field
5-1

7035 F₁ - 5131A BBT X C.I. 6011

field
5-1

7036 Century 231 parent of 511A

Field
5-1

7037 F₁ - 5112A BBT x cuban
plant # 2

field 5-1

7038 F₁ - 511A Cent. x gentle

field 5-1

7039 Century 231 parent of 511A
(dead) replanted 12/2/5-2
with seed of Century 231 parent
fert. 80-40-0 1-27

7040 Century 231 parent of 511A
(dead) replant 12/2/5-2
with seed of Century 231 parent
fert. 80-40-0 1-27

7041 Century 231 young dwarf from
spacing test
(dead)

transplanted haploid tiller
from 7004

7042 ♂ sterile type from
Nolte BBT 1952
field

7043 possible haploid from
Nolte imp. BBT 1952
(dead)

transplanted tiller from haploid
7004

7044 FI-5136A TP49 x Cuban
plot, Rep 3 salt water test
field

7045 FI-5128A Hill med. sel x
B45-15-1-8-2-1 Hill gen'l
field

7046 Centary 231 grass dwarf
 from March date of seedling
 1952
 soil

7047 F₁ - 5-130A BBT x C.I 6037
 field

7048 F₁ - 5111A cent. x cuban plant
 field #1

7049 F₁ - 511A cent x growth
 out

7050 F₁ - 5111A - centary x cuban
 plant #1
 field

1051 F₁-5119A BBT x Bexark

field

1052 F₁-5120A Imp. BBT x Cuban

field

plant #2

1053 Century 231 parent of 511A

out

1054 F₁-5124A Zenith x SPI 180-060

field

1055 F₁-5132A BBT x Hill sel - Bexark

(dead)

out

1056 F₁-5116A Cent x H. d. ab. - BBT

field

1057 F₁-5134A - BBT x B.G. var T₁

field

1058 ♂ sterile type from white BBT

sown in greenhouse

1059 possible trisomic type
of T₁P₁ from march date of
seedling 1952

sown in greenhouse

1060 F₁-5112A BBT x cuban plant
2.

field

1912-13 2-17 20

1912-13 2-17 20

1912-13 2-17 20

1912-13 2-17 20

1912-13 2-17 20

7061 F₁-5112A BBT x cuban plant
field # 2

7062 F₁-513A Cent. x S.P.I 180,060
field

7063 F₁-5129A BBT x C.I. 6718
field

7064 F₁-5111A Cent x cuban plant
field # 1

7065 F₁-5121A Bl. Rose x cuban
plant # 2
field

2066 centery parent of 512A ♀

sent

2067 F₁-5118A BBT x (Hull sel -
BBT)

field

2068 F₁-517A cent. x (Hull sel -
BBT)

field

2069 F₁-515A cent. x B.G. var T1

field

2070 F₁-516A cent x C.I. ?

9150

field

2071 F₁-511A cent x zenith

2072 F₁-511A cent x zenith

2073 F₁-511A cent x zenith

2074 F₁-511A cent x zenith

2075 F₁-511A cent x zenith

7076 F₁-511A cent x zenith

7077 F₁-511A cent x zenith

7078 F₁-511A cent x zenith

7079 F₁-511A cent x zenith

7080 F₁-511A cent x zenith

P

7081 cont. 231 parent of 511A
planted 11/24/52

7082 cont 231 parent of 511A
planted 11/24/52

7083 cont 231 parent of 511A
planted 11/24/52

7084 cont. 231 parent of 511A
planted 11/24/52

7085 cont 231 parent of 511A
planted 11/24/52

1882 Jan 10 - 1882 Jan 10
 1882 Jan 10 - 1882 Jan 10

1882 Jan 10 - 1882 Jan 10
 1882 Jan 10 - 1882 Jan 10

1882 Jan 10 - 1882 Jan 10
 1882 Jan 10 - 1882 Jan 10

1882 Jan 10 - 1882 Jan 10
 1882 Jan 10 - 1882 Jan 10

1882 Jan 10 - 1882 Jan 10
 1882 Jan 10 - 1882 Jan 10

7086 cent 231 parent of 511A
planted 11/24/52

7087 cent 231 parent of 511A
planted 11/24/52

7088 cent 231 parent of 511A
planted 11/24/52

7089 cent 231 parent of 511A
planted 11/24/52

7090 cent 231 parent of 511A
planted 11/24/52

7091 Cent. 231 parent of 511A
planted 11/24/52
all died

7092 F₂ Cent x zenith 511A
planted 11/26/52

7093 "

7094 "

7095 "

7096 F₂ Cent x Smith 511A
planted 11/26/52

7097

7098

7099

7100

7101 F₂ - CENIX ZENITH
PL. 11/26/52

7102 "

7103 "

7104 "

7105 "

7106 F₂ - CEN. X ZENITH
PL. 11/26/52

7107 "

7108 "

7109 "

7110 "

7111 F2 - CENT. X ZEN.
PL. 11/26/52

7112 "

7113 "

7114 "

7115 "

7116 F₂ CENT. XZEN.

PL. 11/26/52

7117

"

7118

"

7119

"

7120

"

7121 F₂ - CENT X ZEN.

PL 11/26/52

7122

"

7123

"

7124

"

7125

"

7126 F₂ - CENT. XZEN
PL 11/26/52

7127 "

7128 "

7129 "

7130 "

7131 F₂ CENT. X ZEN
PL. 11/26/52

7132 "

7133 "

7134 "

7135 "

7136 FL CENT. X 2EN
PL 11/26/52

7137 "

7138 "

7139 "

7140 "

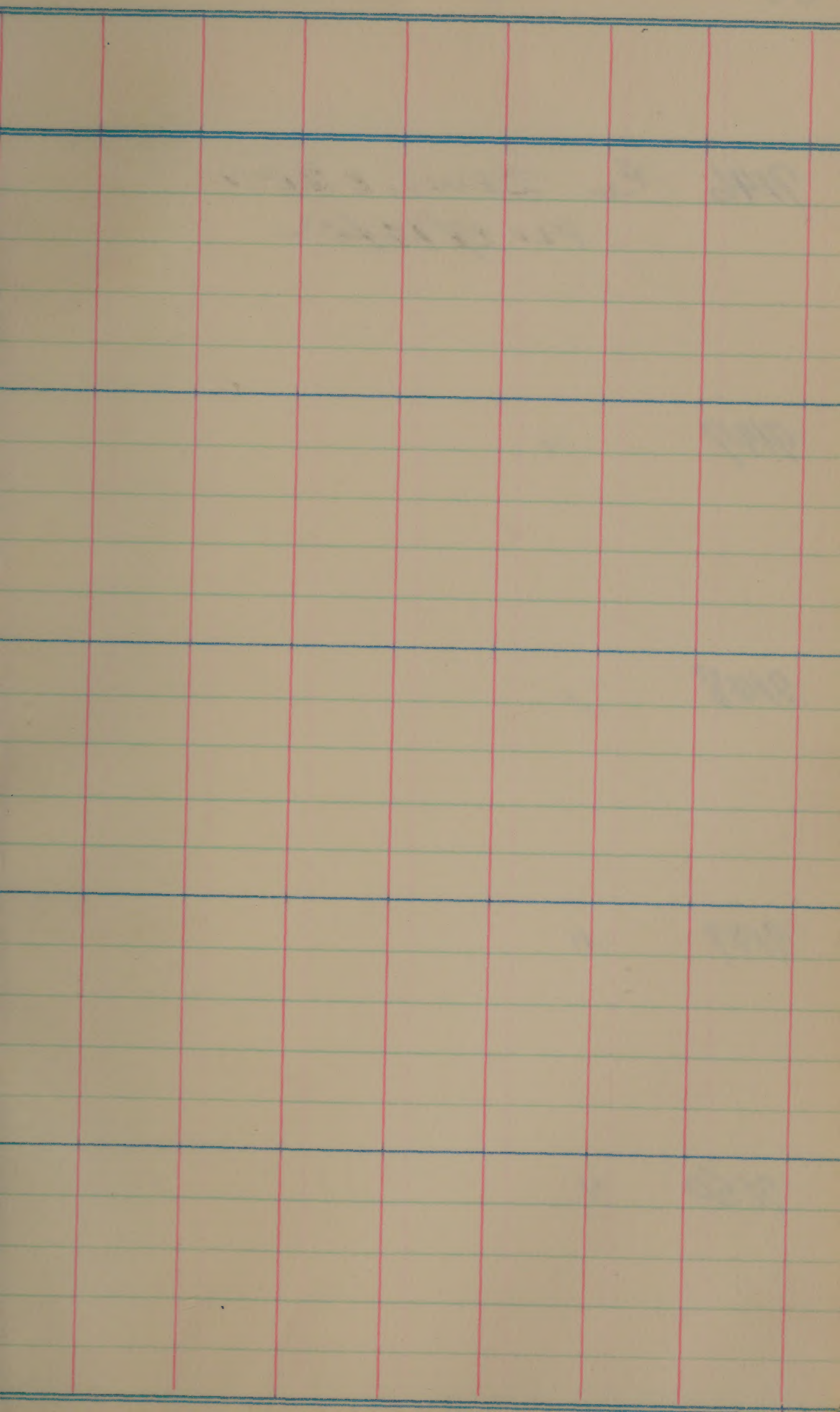
7141 F₂ - CENKZENIT¹4
PL. 11/26/52

7142 "

7143 "

7144 "

7145 "



7146

F₂ CENT. X ZEN

PL. 11/26/52

7147

"

7148

"

7149

"

7150

"

7151 FL - CEN7, XZEN.

PL 11/26/52

1st head 2-26-52

long grain gold rush

7152

"

7153

"

7154

"

7155

"

7156 F₂ CENT. XZEN
PL. 11/26/52

7157 "

7158 "

7159 "

7160 "

7161 FL CENT. X ZEN
PL. 11/26/52

7162 "

7163 "

"

7164

7165 "

7166 F_L CENT X 2EN
PL. 11/28/54

7167 "

1168 "

7169 "

7170 "

7171 F₂ - CENT. XZEN
PL 11/26/52

7172 "

7173 "

7174 "

7175 "

DATE	DESCRIPTION	AMOUNT	CHECK NO.	BANK	INTEREST	TOTAL
10-1-50	100.00					100.00
10-2-50	50.00					50.00
10-3-50	25.00					25.00
10-4-50	12.50					12.50
10-5-50	6.25					6.25
10-6-50	3.12					3.12
10-7-50	1.56					1.56
10-8-50	0.78					0.78
10-9-50	0.39					0.39
10-10-50	0.19					0.19
10-11-50	0.09					0.09
10-12-50	0.04					0.04
10-13-50	0.02					0.02
10-14-50	0.01					0.01
10-15-50	0.00					0.00
10-16-50	0.00					0.00
10-17-50	0.00					0.00
10-18-50	0.00					0.00
10-19-50	0.00					0.00
10-20-50	0.00					0.00
10-21-50	0.00					0.00
10-22-50	0.00					0.00
10-23-50	0.00					0.00
10-24-50	0.00					0.00
10-25-50	0.00					0.00
10-26-50	0.00					0.00
10-27-50	0.00					0.00
10-28-50	0.00					0.00
10-29-50	0.00					0.00
10-30-50	0.00					0.00
10-31-50	0.00					0.00
10-32-50	0.00					0.00
10-33-50	0.00					0.00
10-34-50	0.00					0.00
10-35-50	0.00					0.00
10-36-50	0.00					0.00
10-37-50	0.00					0.00
10-38-50	0.00					0.00
10-39-50	0.00					0.00
10-40-50	0.00					0.00
10-41-50	0.00					0.00
10-42-50	0.00					0.00
10-43-50	0.00					0.00
10-44-50	0.00					0.00
10-45-50	0.00					0.00
10-46-50	0.00					0.00
10-47-50	0.00					0.00
10-48-50	0.00					0.00
10-49-50	0.00					0.00
10-50-50	0.00					0.00
10-51-50	0.00					0.00
10-52-50	0.00					0.00
10-53-50	0.00					0.00
10-54-50	0.00					0.00
10-55-50	0.00					0.00
10-56-50	0.00					0.00
10-57-50	0.00					0.00
10-58-50	0.00					0.00
10-59-50	0.00					0.00
10-60-50	0.00					0.00
10-61-50	0.00					0.00
10-62-50	0.00					0.00
10-63-50	0.00					0.00
10-64-50	0.00					0.00
10-65-50	0.00					0.00
10-66-50	0.00					0.00

7176 F₂ - CENT. X ZEN.

PL. 11/26/52

7177

"

7178

"

7179

"

7180

"

7181 FL - CENTIX 2ENI
PL 4/26/52

7182 "

7183 "

7184 "

7185 "

7186 F₂ - CENTI XZEN
PL. 11/26/52

7187 "

7188 "

7189 "

7190 "

7191 F₂ - CENT. X ZENI
PL. 11/26/52

7192 "

7193 "

7194 "

7195 "

7196 F₂ - CENi. X ZEN
PL. 1/26/52

7197 "

7198 "

7199 "

7200 "

7201 F₂-CENT. X ZEN
PL. 11/26/52

7202 Zenith part of 5-71A
planted 12/2/52

7203 "

7204 "

7205 "

7206 3 with parent of 511A
plotter 12/2/5-2

7207

11

7208

11

7209

11

7210

11

7211 Genith parent of 511A
planted 12/2/52

7212 Cent. 231 grassy dwarf from
march state of seedling 1952
planted 12/3/52

7213 sterile type from plot 2124.N. (1952)
pl. 12/3/52
normal in every respect

7214 52-2410 sterile type from
Cent. 231
pl. 12/5/52

7215 52-2452 sterile type
pl. 12/5/52

7216 52-2448 steute Type
pl. 12/5/52

7217 52-2439
pl. 12/5/52

7218 possible tipsonic from TSP
moral date & seeding (1952)
pl. 12/5/52

7219 Sereus (from for area)
pl. 12/5/52
1st head 2-17-53
rough medium grain type

7220 Buffalo (from for area)
pl. 12/5/52

7221 511A Century point
pl. 12/16/52

7222 511A Century point
pl. 12/16/52

7223 511A Century point
pl. 12/16/52

7224 53 ♀ x CENT. 231 ♂ 5232A

field
53

1 plant 12/15/52
1st head 3-15-53
deformed head - long extra glume
& twisted florets

7225 53 ♀ x CENT. 231 ♂ 5232A

field
53

♀ parent 12/15/52
1st head 3-15-53

7226 5232A ♂ parent

1st head 3-11-53

field
53

7227 5229A ♀ parent (BBT5) ♀

BBT50 X
same BBT50 x gold 60 day
1st head 3-11-53 ✓

7228 5229A ♂ parent (90 day gold)

P.I. 180,161

1st head 2-18-53

same in green house

7229 5223A 2164[♂] x BBT50[♀]

field
53

7230 5223A ♀ parent BBT

(2164[♂]) x (BBT50[♀])

field
BBT50

7231 ♂ point (2164) 5-223A

field (2164) [♂] (B3+50) ♀

a bill sel x B3+ (B4512A1-32-1)

10 days earlier than zenith

1st head - 2-25-53

7232 53♀ x T.P. ♂ B5 233, A

1st head 3-15

7233 5233A ♂ point (53Y.N.)

field 53♀ x T.P. ♂

1st head 3-15-53

7234 ♂ point (T.P.) 5233A

field 53♀ x T.P. ♂

7235 5227A (ent 231) [♀] x [♂] [(2137) B4513A]

1st head 2-25

highly stout - may be due to adverse conditions at heading

müllerig 112-97

7236 5227 A ♂ parent (2137)
(2137) v (cont 231♀)

✓ pl 12-15-
1st head 2-23

7237 5231 A (60 x 53)
1st head 3-14-53

✓ low

7238 5231 A 60 x 53
♀ parent
1st head 3-12-53

7239 5231 A ♂ parent
(60) x (53)

7240 5231 A possible cross with
stream hulled 60 day P.I. 184, 121
1st head 2-27-53

✓
→ change to B 5234
appear to be right cross

B4513A1-23-1-1-1 Hillsael x BBT.
rough long grain early maturity
1st lead 2/15 when planted 5/1

7241 5231A possible cenn
 with 60 day straw killed
 1st head 3-8-53
 Probably BBT 50 no cenn

7242 5222A

out

7243 grassy dwarf for spraying
 test (plant died)
 used pot to plant white BBT
 pale green plant that may be
 HD resistant

7244 511A Century point
 pl. 12/16/52
 fert.

7245 511A Century point
 pl 12/16/52

7246 511A Century parent
pl. 12/16/52

7247 511A Century parent
pl. 12/16/52

7248 511A Zenith parent
pl 12/16

7249 511A Zenith parent
pl 12/16

7250 511A Zenith parent
pl 12/16

Very faint, illegible handwriting.

Very faint, illegible handwriting.

Very faint, illegible handwriting.

Very faint, illegible handwriting.

Very faint, illegible handwriting.

7251 511A youth parent
pl 12/16

7252 511A youth parent
pl 12/16

7253 511A youth parent
pl 12/16

7254 purple rice
pl. 12/16

7255 purple rice

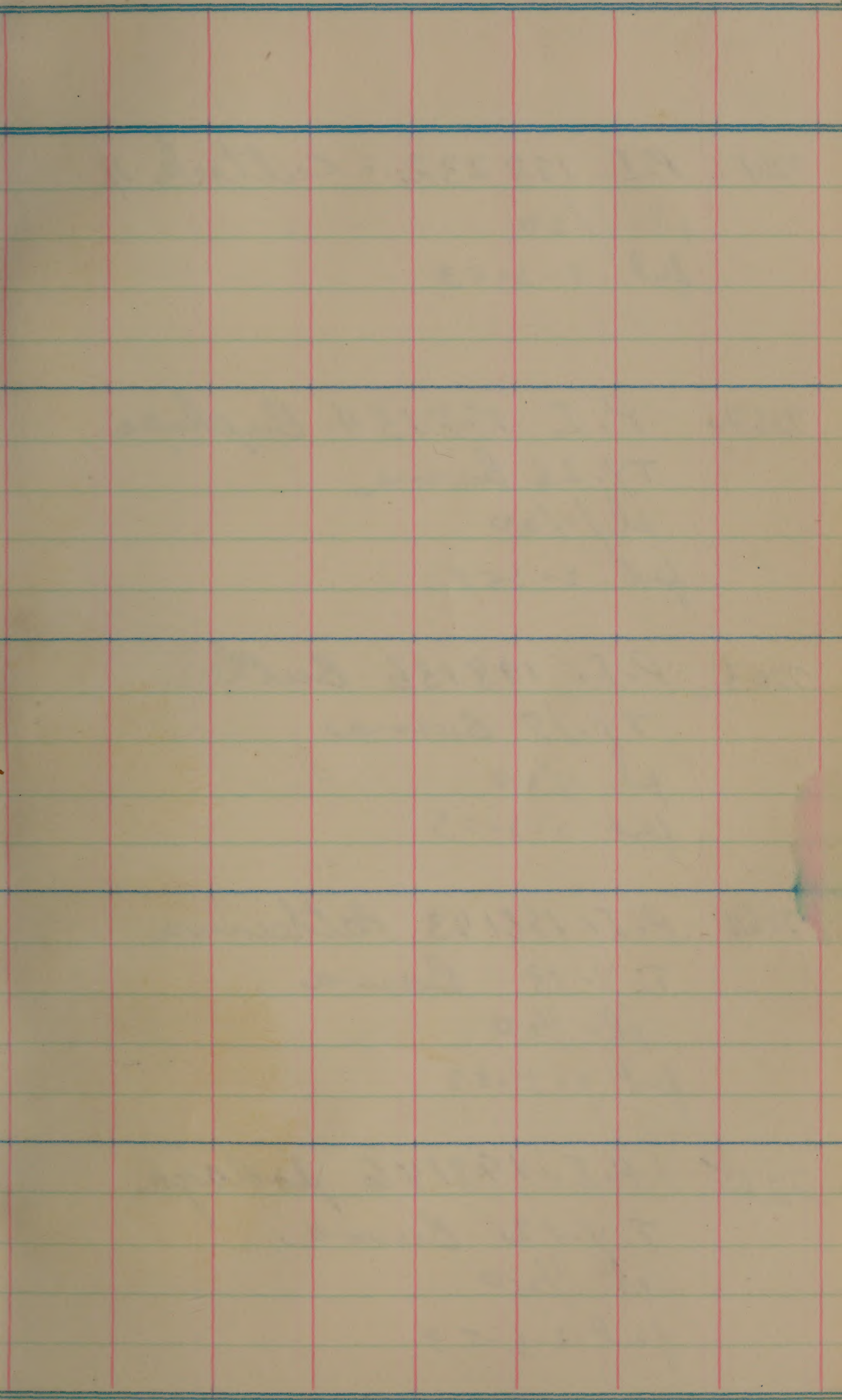
7256 purple rice

7257 purple rice

7258 purple rice

7259 purple rice

7260 P.I. 198235 - MTU 15
pl. 1/20/53
fert. 2-3-52



7261 P.I. 198232 - Cuttack 4
 pl. 1/20
 fert. 2-3-53

7262 P.I. 198134 Buphopa
 Ty. 26 Burma
 pl. 1/20
 fert. 2-3-53

7263 P.I. 198136 Buthe
 Ty. 18 Burma
 pl. 1/20
 fert. 2-3-53

7264 P.I. 198143 Patheerwa
 Ty. 13 Burma
 pl. 1/20
 fert. 2-3-53

7265 P.I. 198146 Yodaya
 Ty. 12 Burma
 pl. 1/20
 fert. 2-3-53

- 7266 P.I. 198624
Catetan Douro
pl. 1/20
fert. 2-3-53
- 7267 P.I. 198625
Secano Brojib
pl. 1/20
fert. 2-3-53
- 7268 Palmina No 8. from Costa Rica
pl. 1/20 originally from Colombia
known as water rice
fert. 2-3-53
- 7269 Berlin. from Costa Rica
pl. 1/20
mat. in 90 days in Costa Rica
upland rice 1st head 3/14
fert. 2-3-53
- 7270 P.I. 198915 IAC-1
pl. 1/20
fert. 2-3-53

Dollar variety (90 days) in Costa Rica 108

7271 P.I. 198916 IAC-3

pl. 1/20

fert. 2-3-53

7272 P.I. 198917 IAC-7

pl. 1/20

fert 2-3-53

7273 P.I. 198918 Rourado Agulha

pl. 1/20

fert 2-3-53

7274 P.I. 198919 Iguaçu Agulha

pl 1/20

fert. 2-3-53

7275 511A C.P. parent

pl. 1-27

fert. 2-3-53

7276 511A Century station parent
pl. 1-27
fert. 2-3-53

7277 511A C.P. parent
pl. 1-27
fert. 2-3-53

7278 511A C.P. parent
pl. 1-27
fert. 2-3-53

7279 511A C.P. parent
pl. 1-27
fert. 2-3-53

7280 511A C.P. parent
pl. 1-27
fert. 2-3-53

1892-1893 1000
 1893-1894 1000
 1894-1895 1000

1895-1896 1000
 1896-1897 1000
 1897-1898 1000

1898-1899 1000
 1899-1900 1000
 1900-1901 1000

1901-1902 1000
 1902-1903 1000
 1903-1904 1000

1904-1905 1000
 1905-1906 1000
 1906-1907 1000

7281 511A youth parent
 pl. 1-27
 fort. 2-3-53

7282 511A youth parent
 pl. 1-27
 fort. 2-3-53

7283 511A youth parent
 pl. 1-27
 fort. 2-3-53

7284 511A youth parent
 pl. 1-27
 fort. 2-3-53

7285 511A youth parent
 pl. 1-27
 fort. 2-3-53

7286 511A Zenith parent
field pl 1-27
fert. 2-3-53

7287 C.P. 231 parent material
from TODD
fert. 2-3-53

7288 BBT 50 parent material
from TODD
fert. 2-3-53

7289 BBT parent material
from TODD
fert. 2-3-53

7290 Kaploist tiller from ⁵²7004

7291 B316A (52-2169 x 90 day gold)
10 seed planted 4-4-53

7292 B533A Cent x CRND
x-4-53

7293 B5314A Zen. x 90 day gold
4-4-53

7294 B536A Cent x (cuban x C)

7295 canilla, from
Columbia
pl 5-13-52

1 53 Y.N. x cont. 231 B5232A
 may be another plant.
 52-7224

2 2164 ♂ x BBT50 B5223A
 may be another plant
 B5223A

3 cont 231 ♀ parent of B5232A
 52-7225

4. BBT50 ♀ parent of B5223A
 52-7230

5. 53 Y.N. ♀ x T.P. ♂ B5233A

6 53 y.m. ♀ parent of B5233A
52-7233

7 T.P. ♂ parent of B5233A

8 Cent 231 ♀ x 2137 ♂ B5222A
52-7235
may be another plant.

9 2137 ♂ parent of B5222A
52-7236

10 Bkt 50 x 53 ♂ B5231A

11 BBT50 ♀ parent of BS-231A
52-7238

12. 53 V.N. ♂ parent of BS-231A
BS-231A

13

7296 Fortuna from Columbia

7297 Recor from Columbia

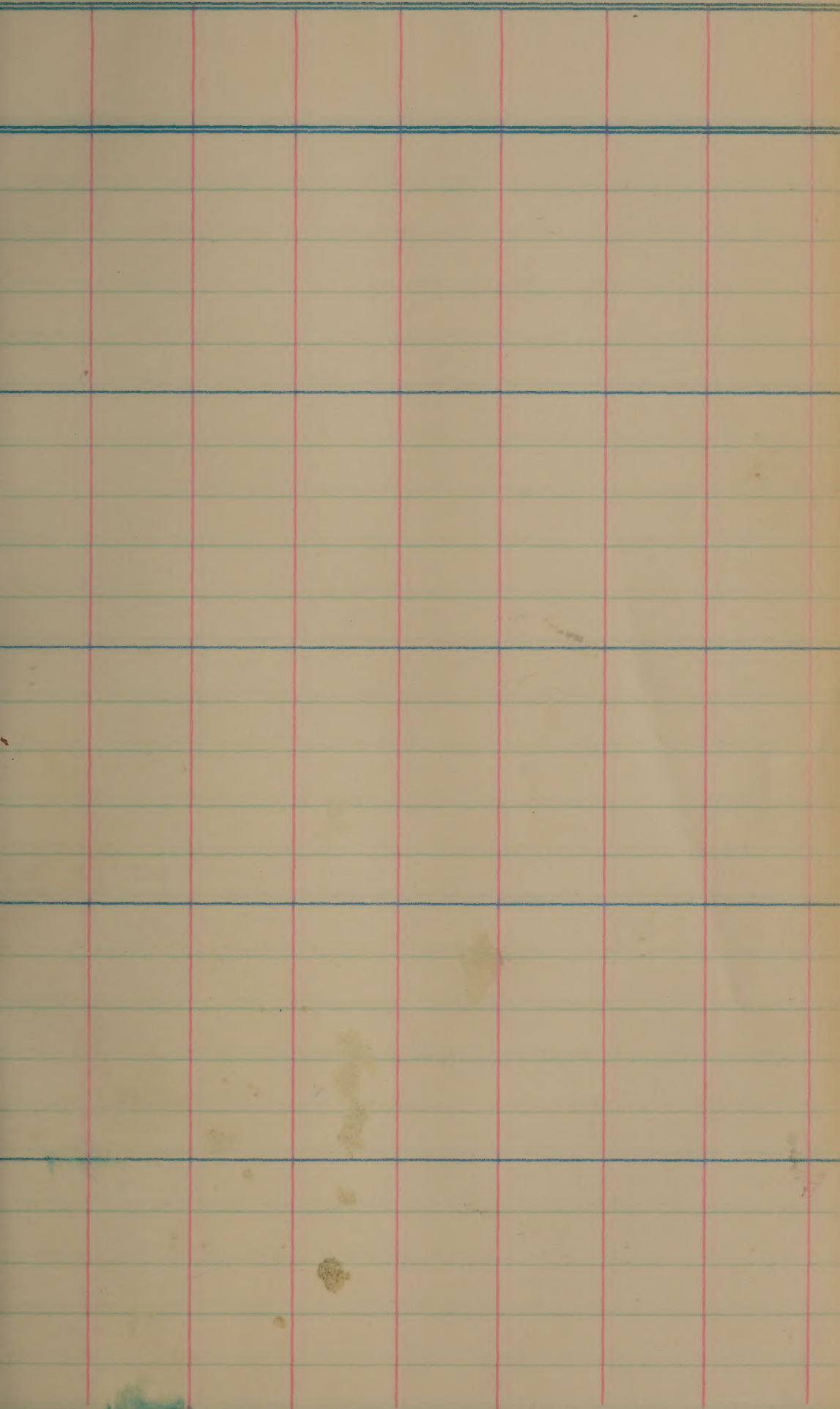
7298 *Syberia* *from*
from 3000 ft. alt.

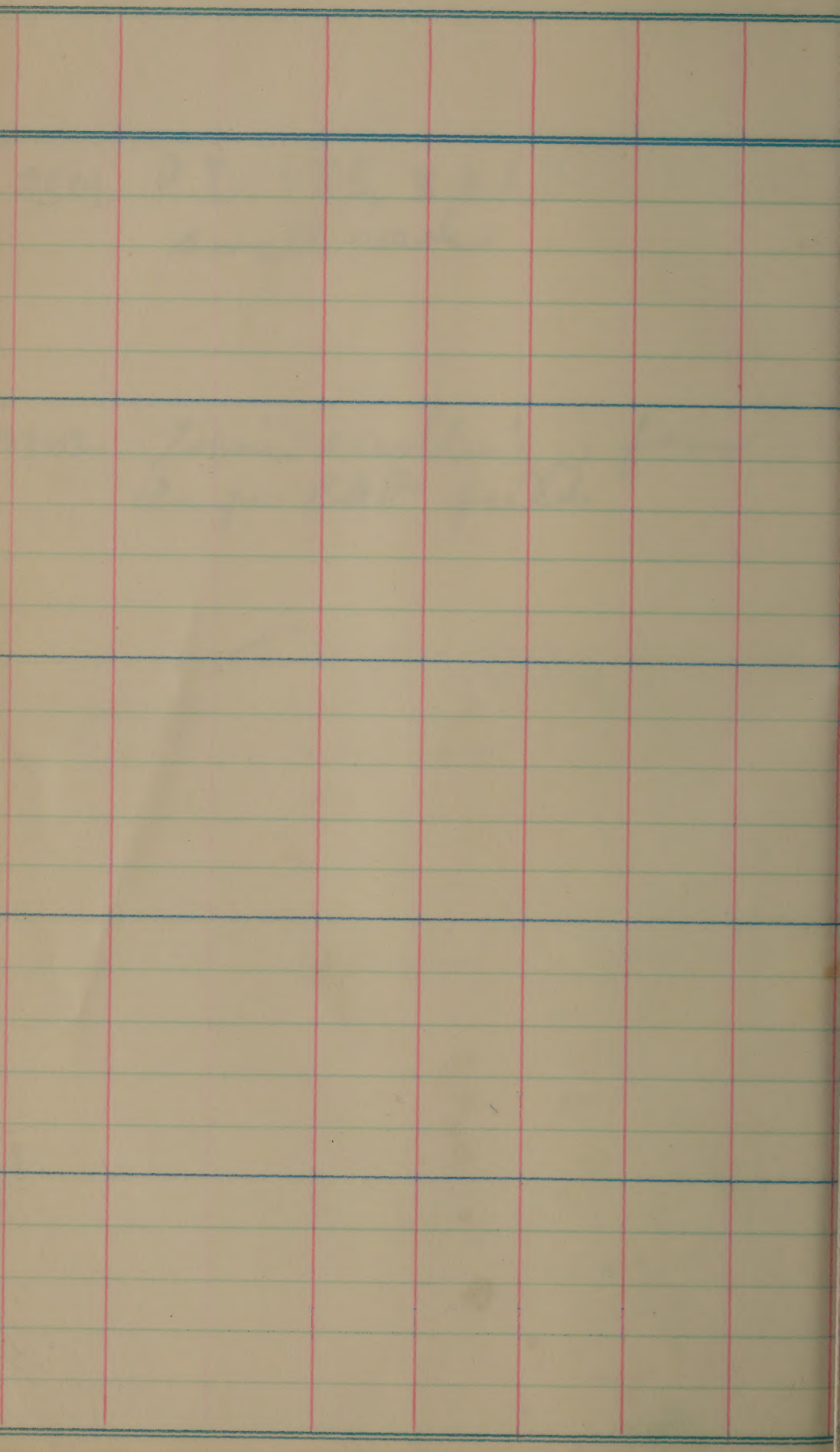
7299 Cuba white Recor

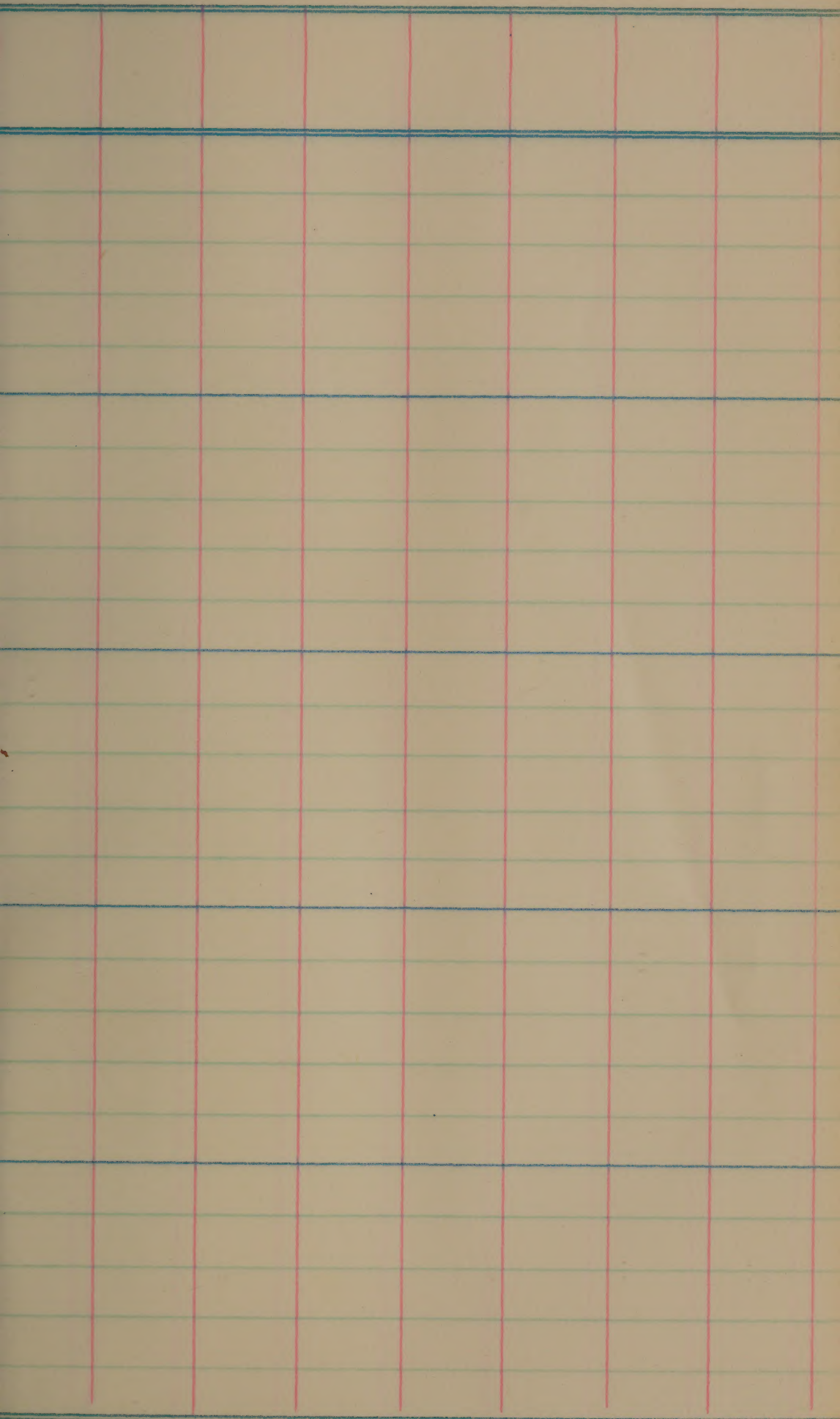
7300 P.I., 180, 120
 one seed

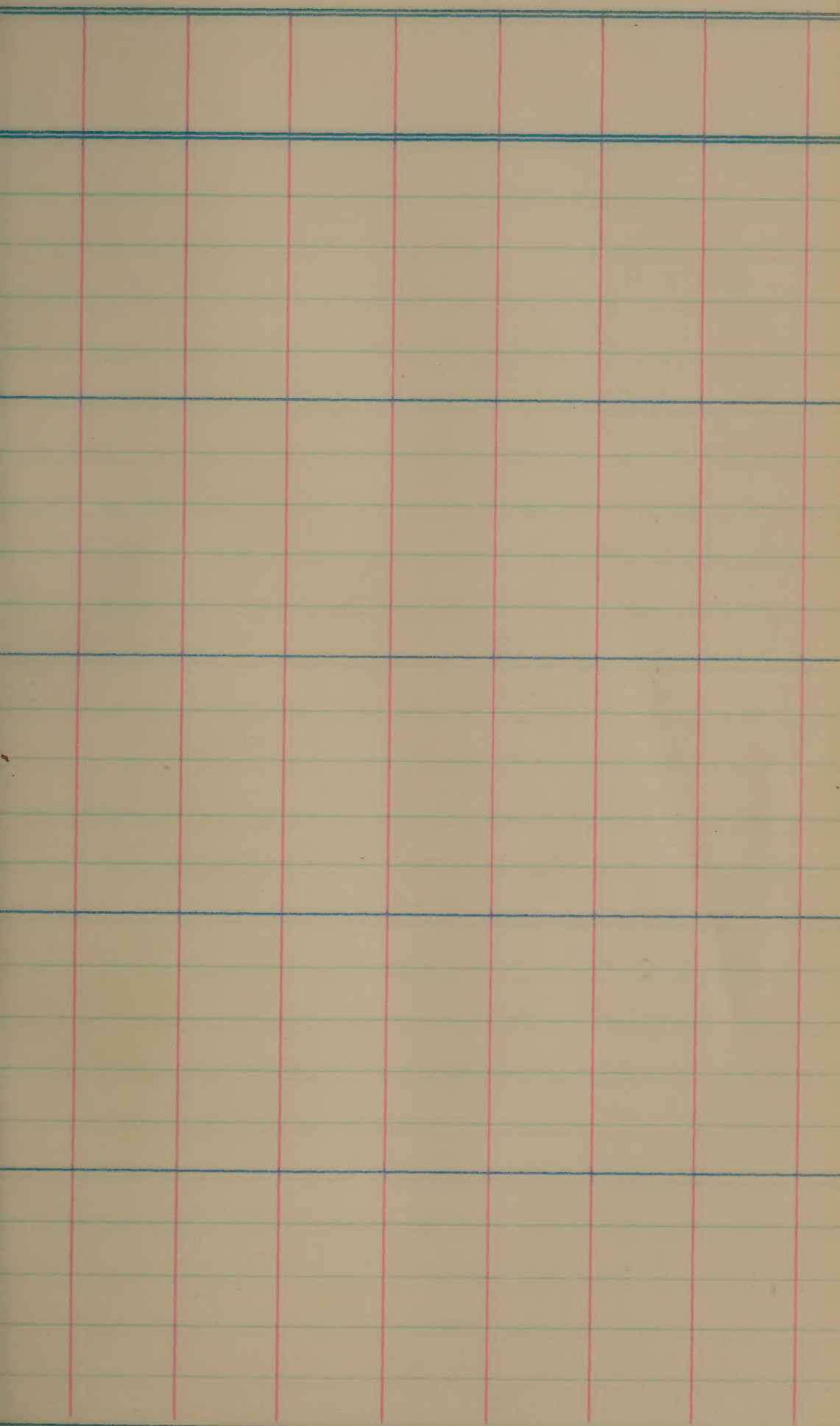
7301 P I 183, 331
small seeds

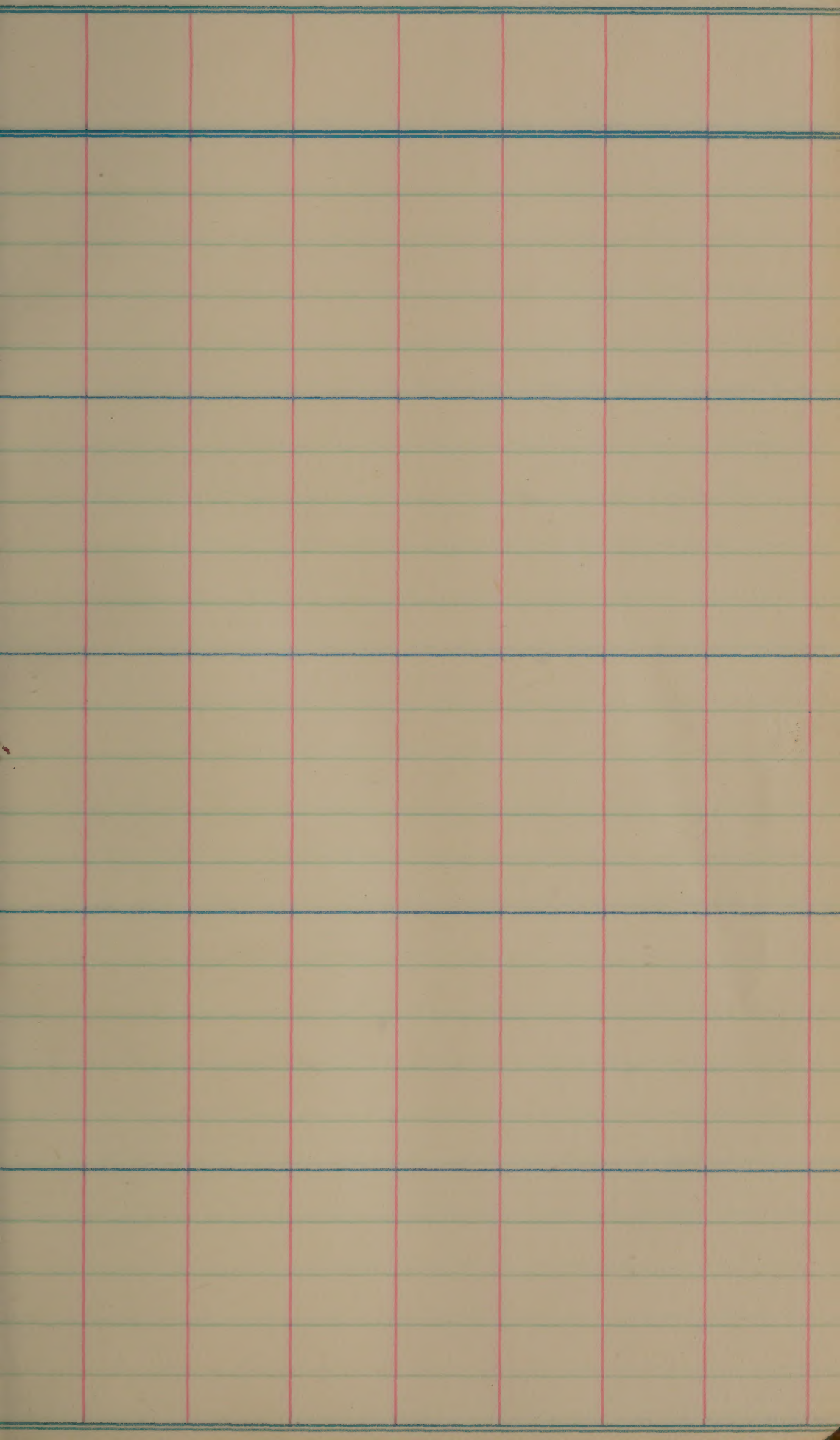
7302 seven seedlings from
dmp. Bkt field

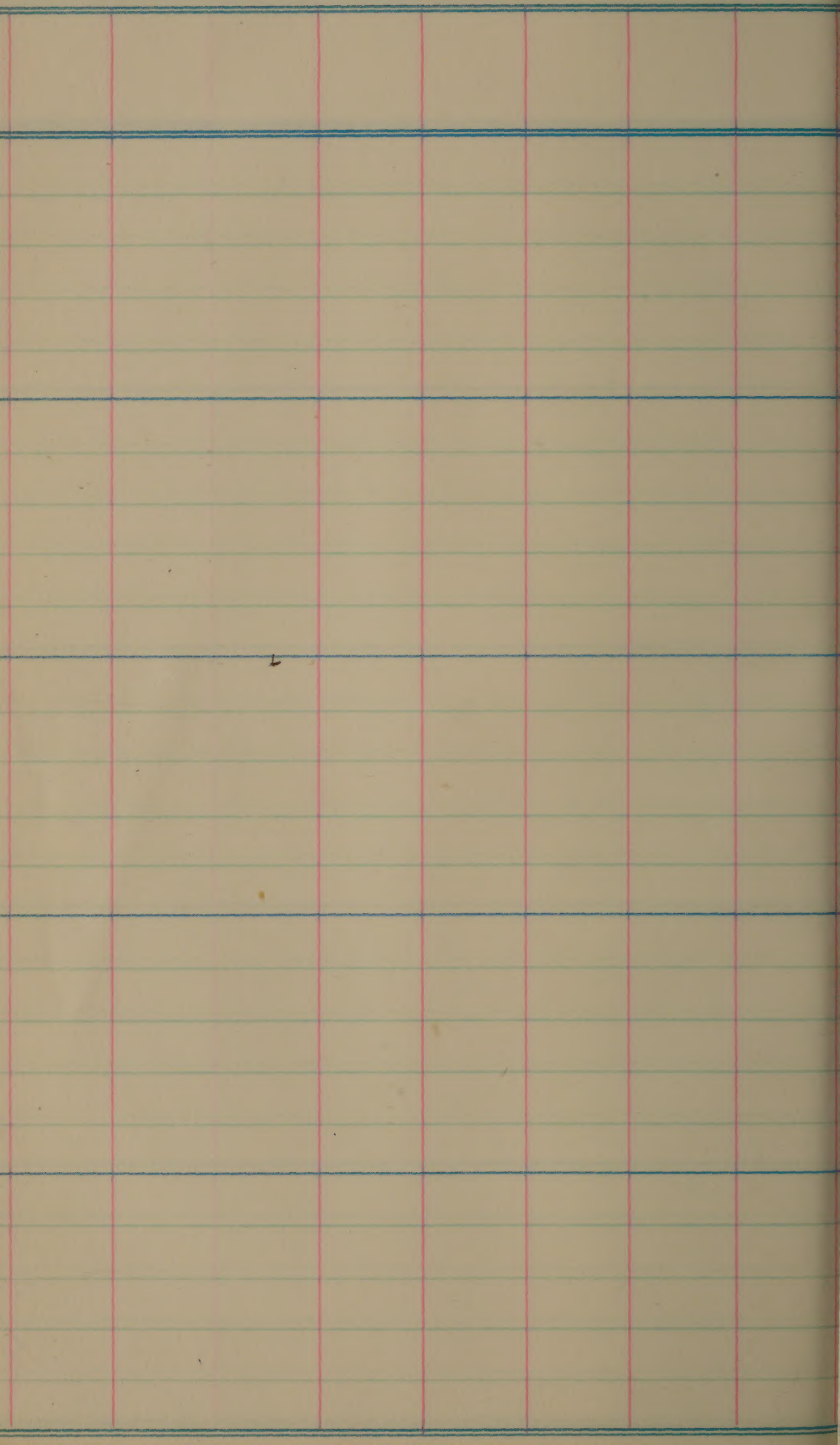


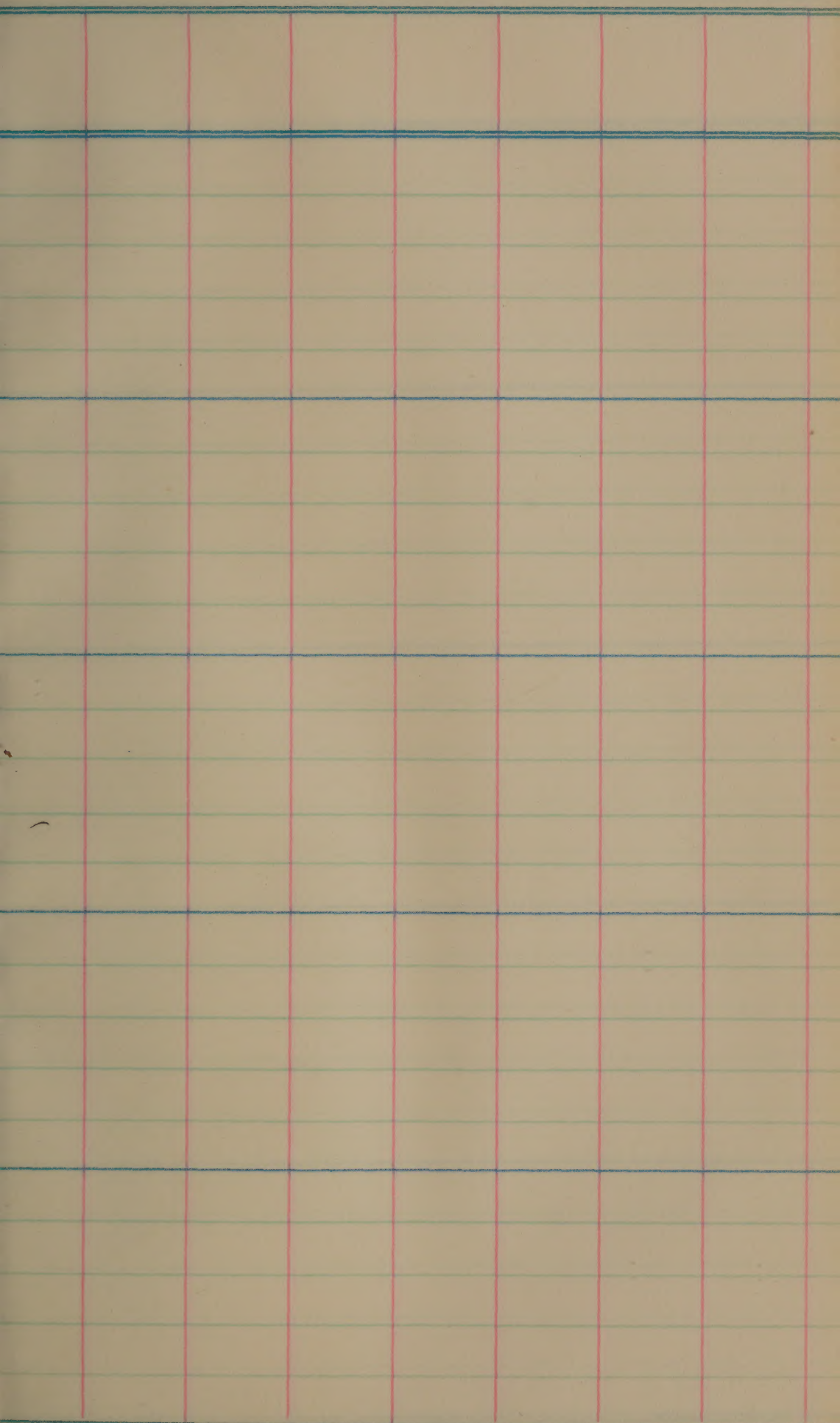


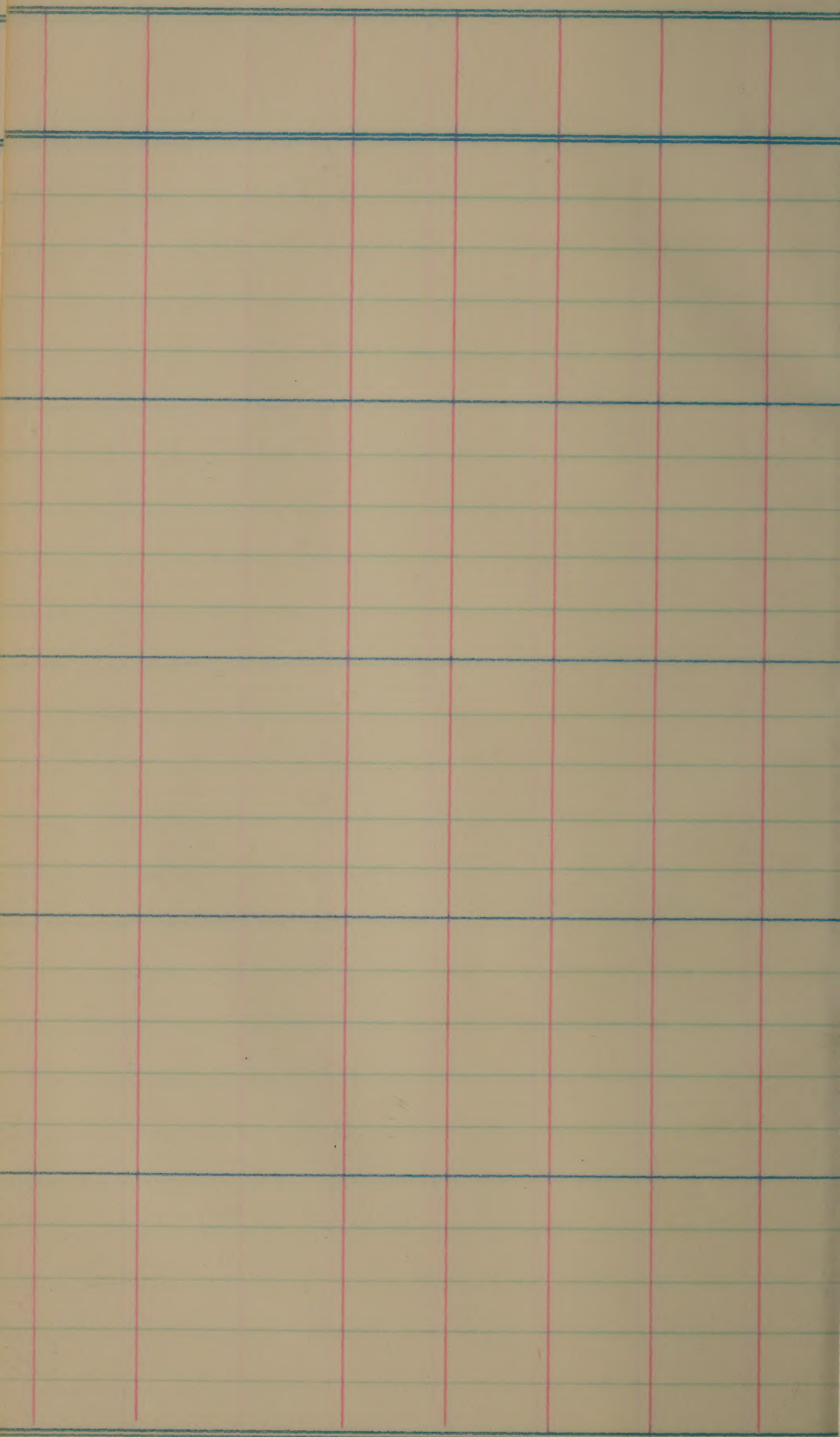


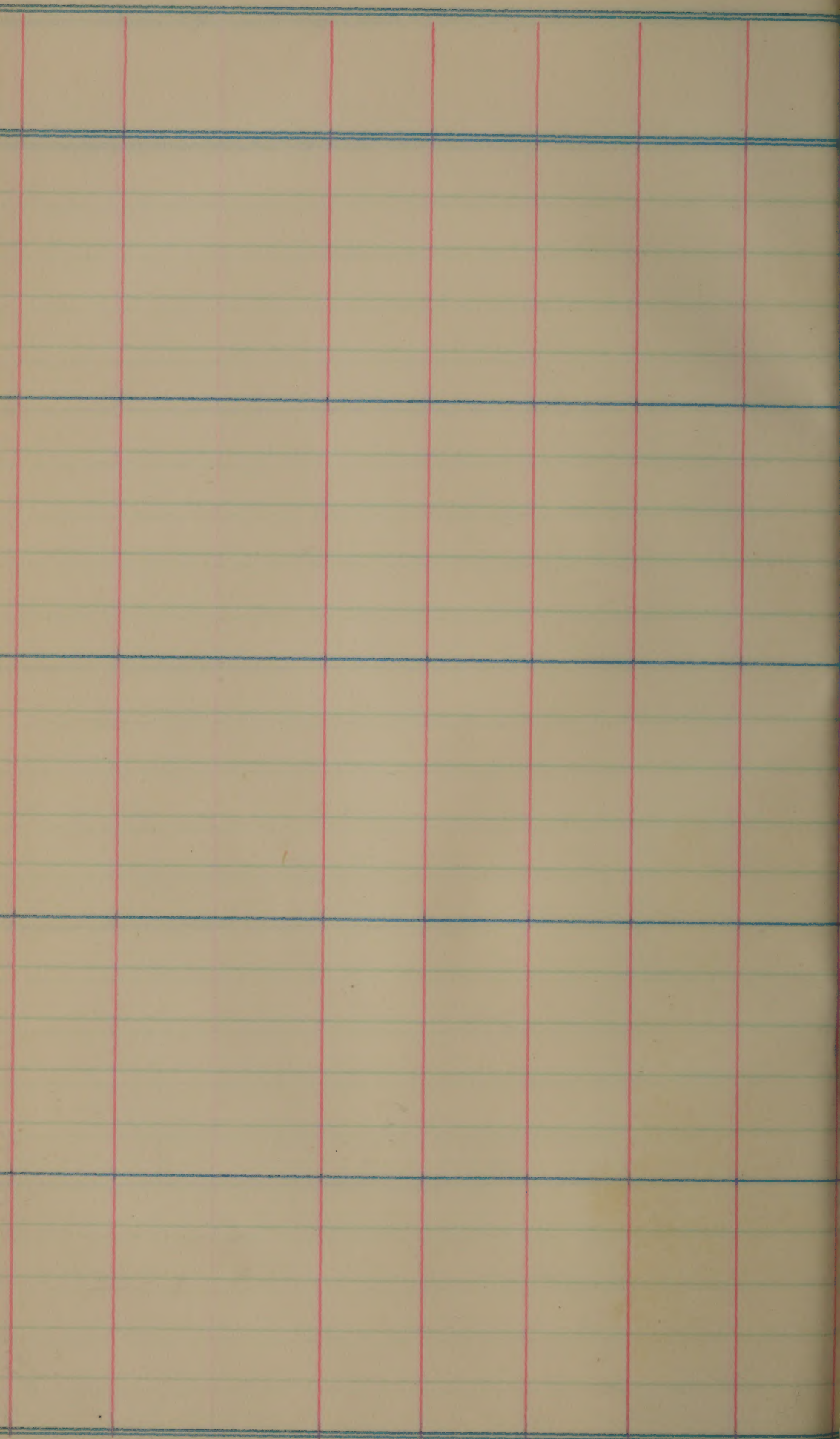


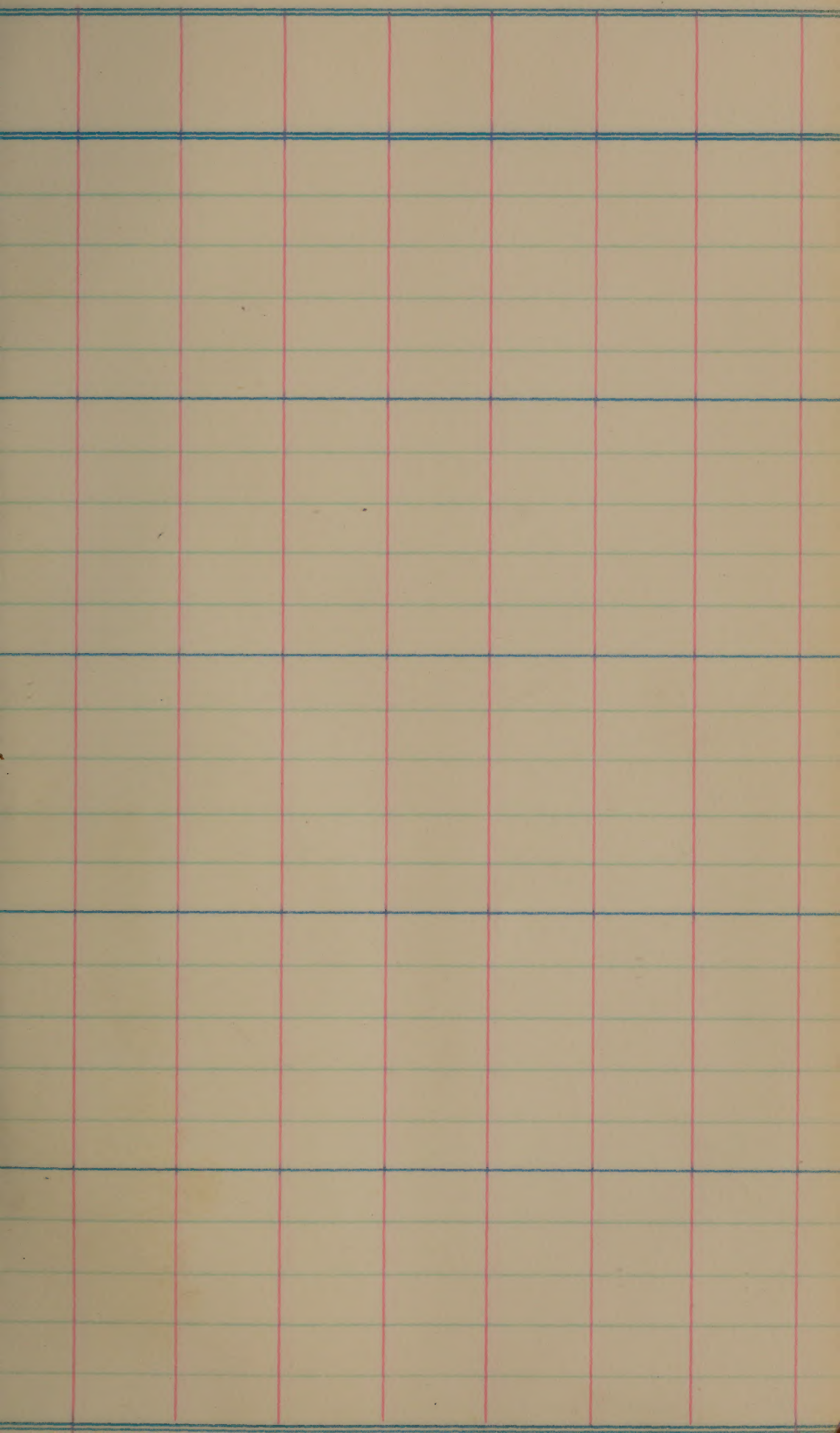


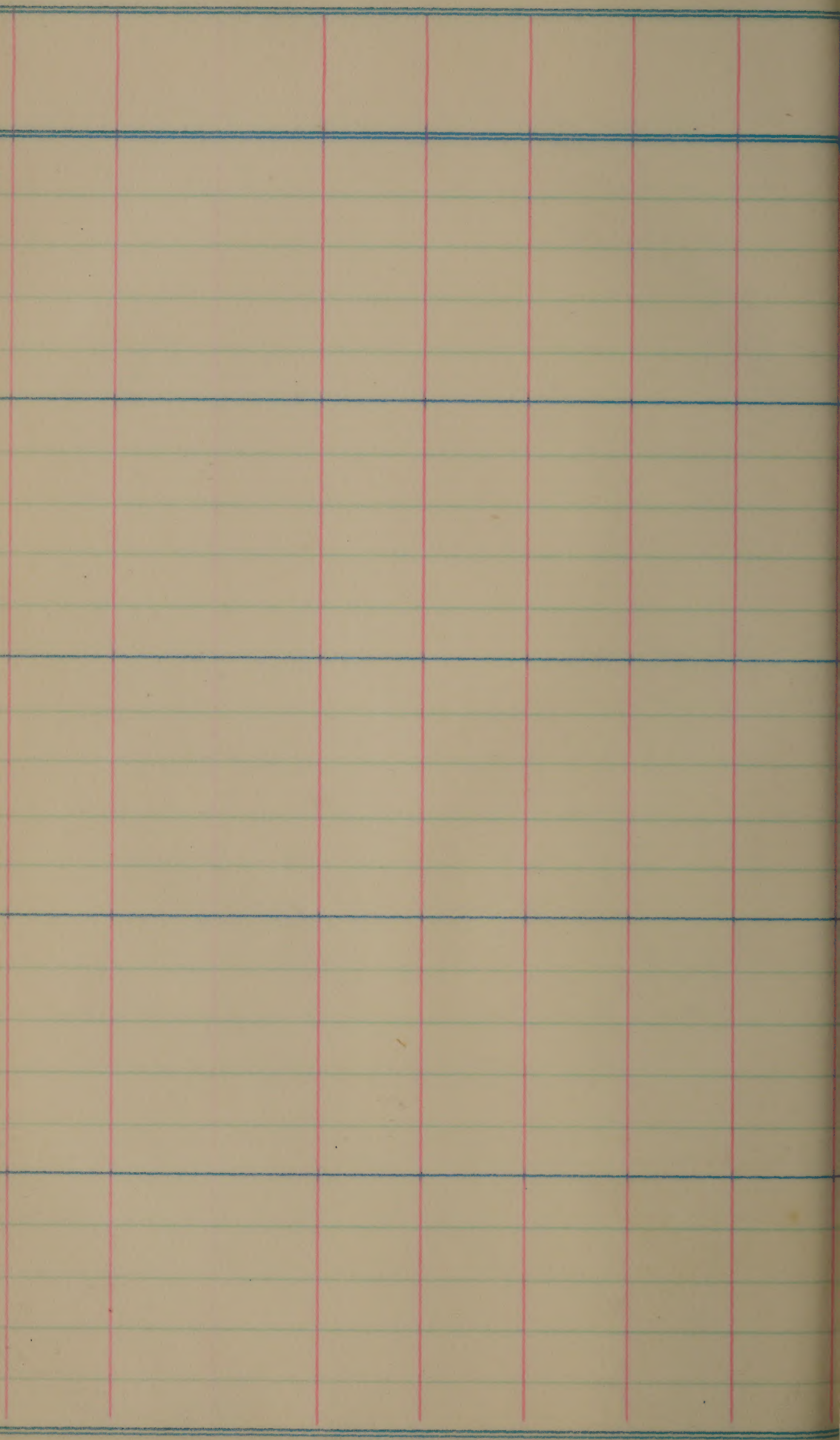


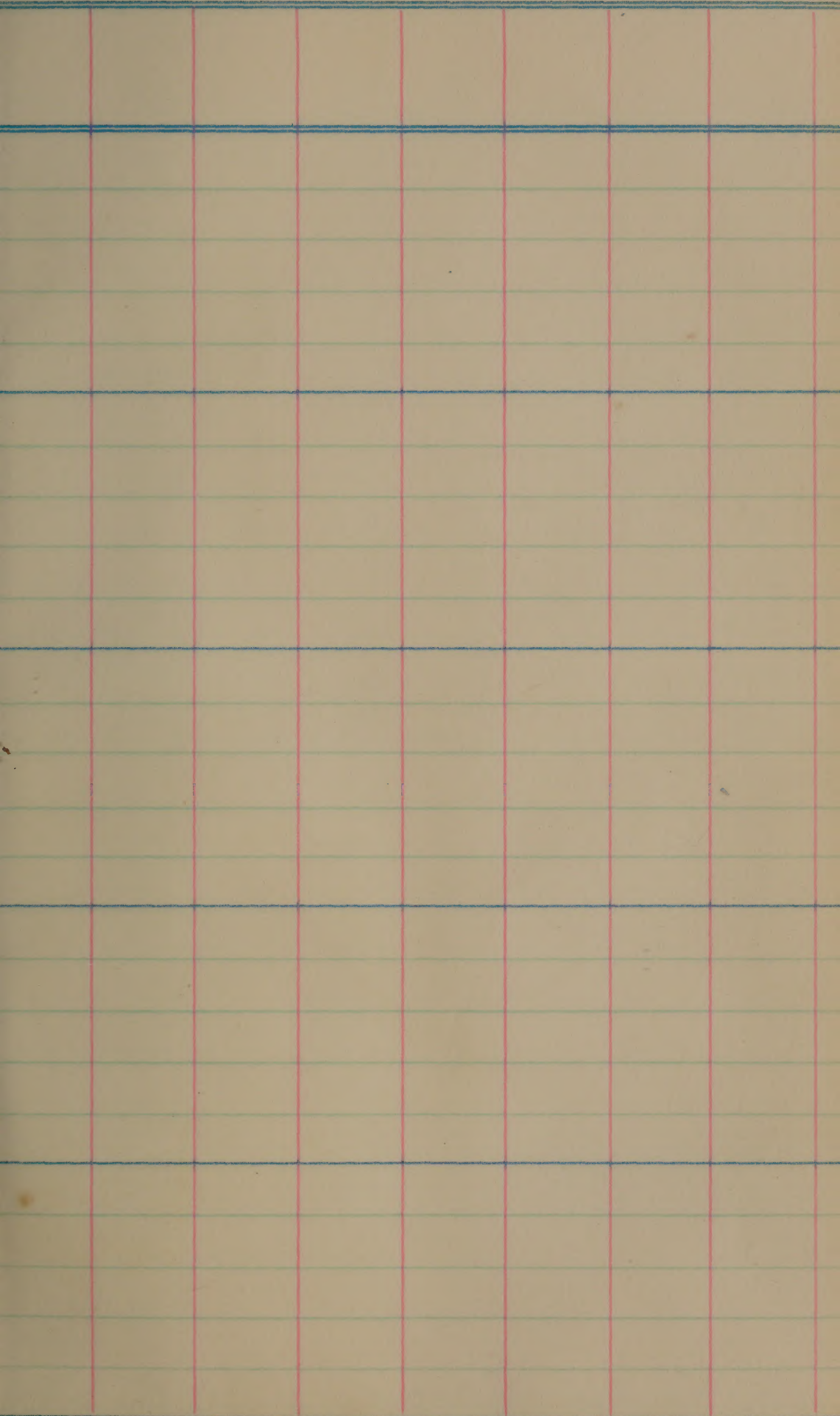


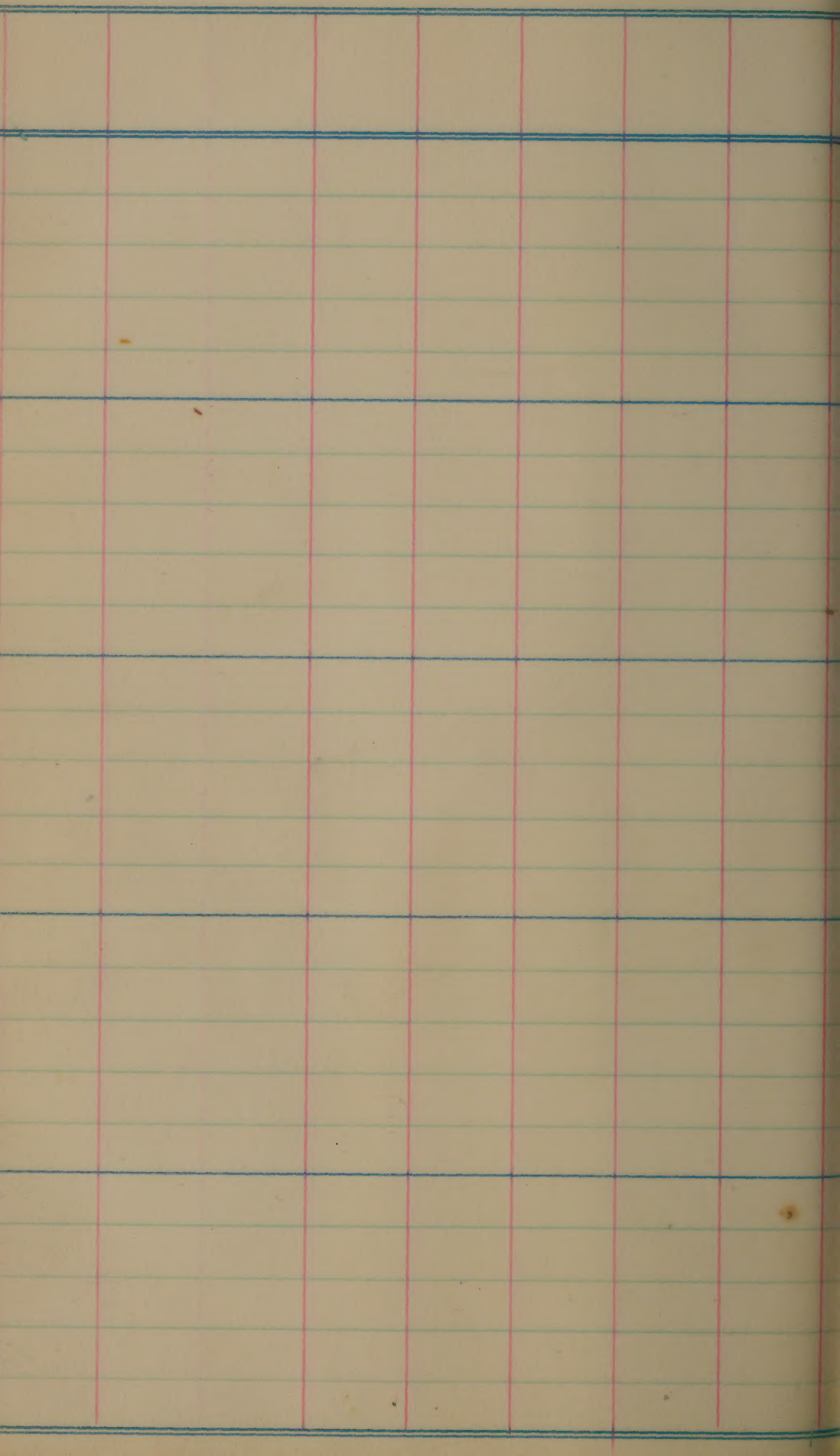












	DATE	♀	POT NO	Y	♂	POT NO
B 5376A	3-30-53	Z	7249	Y	CxZ	7034
B 5377A	3-30-53	C	7247	X	CxZ	7080
B 5378A	3-30-53	cont Dwarf	7046	X	cont	7287
B 5379A	3-31-53	C	7244	Y	CxZ	7280
B 5380A	4-1-53	Z	7249	X	CxZ	7071
B 5381A	4-1-53	Z	7248	X	CxZ	7071
B 5382A	4-3-53	C	7244	X	Berlin	7269
B 5383A	4-3-53	Z	7031	X	CxZ	7280
B 5384A	4-3-53	Z	7249	X	CxZ	7280
B 5385A	2-7-53	Z	7026	X	F ₁ Cx3PI	7054
B 5386A	3-2-53	C	1062	X	F ₁ 80.140 Cx2137	7235
B 5387A	2-26-53	B4512A	7231	Y	sooty gold	7296

2	4/21
26	4/21
11	✓ started
9	4/21
0	<u> </u>
0	<u> </u>

3	4/21
1	4/21

CROSS	DATE	♀	POT NO	X	♂	POT NO
B 5351A	3-23-53	C	7082	X	Z	7253
B 5352A	3-23-53	Z	7250	X	CxZ	7034
B 5353A	3-23-53	Z	7250	Y	CxZ	7034
B 5354A	3-23-53	C	7086	Y	CxZ	7072
B 5355A	3-24-53	C	7247	X	CxZ	7072
B 5356A	"	C	7247	Y	CxZ	7072
B 5357A	"	C	7287	X	Berlin	7269
B 5358A	"	C	7287	Y	(CxZ)	7034
B 5359A	"	Z	7253	Y	(CxZ)	7034
B 5360A	"	Z	7253	Y	(CxZ)	7034
B 5361A	3-25-53	C	7287	X	B5232A	7224
B 5362A	"	C	7287	X	(CxZ)	7050
B 5363A	"	C	7287	Y	"	7050
B 5364A	"	C	7247	Y	CxZ	7072
B 5365A	"	Z	7253	Y	CxZ	7072
B 5366A	"	Z	7253	Y	CxZ	7072
B 5367A	3-26-53	Z	7031	X	CxZ	7072
B 5368A	"	Z	7249	X	CxZ	7072
B 5369A	"	Z	7026	X	CxZ	7072
B 5370A	"	C	7244	X	CxZ	7072
B 5371A	3-27-53	C	7244	X	CxZ	7078
B 5372A	"	Z	7249	X	CxZ	7072
B 5373A	"	C	7224	Y	CxZ	7078
B 5374A	3-29-53	Z	7031	Y	CxZ	7034
B 5375A	3-30-53	Z	7249	Y	CxZ	7034

4 4/21

1 DAVIS

6 DAVIS PARTLY WORKED

1 " "

1 4/21

0

0

0

0

1 4/21

3

3 DAVIS

1

1

0 8/21

0

6

13 4/21

7

2

17

dated only

3

9 4/21

18 4/21

6 4/21

These crosses
not grown in
these numbers &
then crosses had been
done - assigned this series of numbers
WMB

CROSS NO.	DATE	♀ PARENT	POT OR NO1		♂ PARENT	POT OR NO.
B 531A	1-28-53	C.P. 231	52-7036	X	F ₁ (C x Z)	52-7034
B 532A	1-28-53	ZENITH	52-7026	X	F ₁ (C x Z)	52-7034
B 533A	1-29-53	C.P. 231	52-7066	X	CRH 7	52-7009
B 534A	2-2-53	ZENITH	52-7026	X	F ₁ (C x Z)	52-7034
B 535A	2-2-53	ZENITH	52-7026	X	F ₁ (C x Z)	52-7034
B 536A	2-2-53	C.P. 231	52-7006	X	F ₁ (C x Cudon)	52-7048
B 537A	2-5-53	C.P. 231	52-7053	X	F ₁ (C x Z)	52-7034
B 538A	2-7-53	ZENITH	52-7026	X	F₁ (Z x SPT)	52-7054
B 539A	2-7-53	ZENITH	52-7026	X	F ₁ (Z x (C-Z))	52-7043
B 5310A	2-9-53	C.P. 231	7036	X	ZENITH	7031
B 5311A	2-13-53	ZENITH	7030	X	F ₁ (C x Z)	7034
B 5312A	2-13-53	ZENITH	7031	X	F ₁ (C x Z)	7034
B 5313A	2-14-53	ZENITH	7026	X	F ₁ (C x Z)	7034
B 5314A	2-24-53	ZENITH	7031	X	90 day trial	7228
B 5315A	2-24-53	BBT	7058	X	"	7228
B 5316A	2-26-53	B 5312A	7231	X	90 day trial	7228
B 5317A	3-2-53	CENT	7066	X	F ₁ (C x Cudon)	7048
B 5318A	3-2-53	NOLITE BBT	7058	X	(BBT x 1164)	7229
B 5319A	3-2-53	CENT	7067	X	F₁ (C x 2137)	7235
B 5320A	3-12-53	ZENITH	7207	X	F ₁ (C x Z)	7077
B 5321A	3-13-53	CENT	7083	X	F ₁ (C x Z)	7077
B 5322A	3-13-53	cat	7090	X	(C x Z)	7077
B 5323A	3-13-53	cat	7090		(C x Z)	7077
B 5324A	3-14-53	BBT 50	7227	X	F ₁ (B x B x Z)	
B 5325A	3-14-53	cat	7083	X	F ₁ (C x Z)	7077

Crosses by Crane

NO.	TOT.		
SEED	FLORETS		
SET.	POLIN.	have	
0	—	—	122
2	21	2/28	18
4	16	2/28	140
1	3	2/28	38
0	1	—	28
1	23	2/28	
9	32	2/28	
11	20	2/28	56
6	9	2/28	
2	13	3/16	
3	4	3/16	
16	30	3/16	
8	21	3/16	
3	5	3/16	
0	—	—	
20	43	3/16	

1

29	4/21
26	4/21
1	
27	(Blue Rose X Cuben) back on BRT 50
16	4/21

These crosses
not carried in
breeding trans.
under these numbers
as other crosses were
assigned to them
POT
NO.

Crossed by

OT
Parent
Pot
NO.

B5326A	3-14-53	cent	7088	X	(CXZ)	7077
B5327A	3-15-53	cent	7089	X	ZENITH	7203
B5328A	3-15-53	CENT	7089	X	ZEN	7203
B5329A	3-15-53	CENT	7089	X	ZEN	7203
B5330A	3-16-53	CENT	7226	X	BERLIN	7269
B5331A	3-17-53	CENT	7282	X	ZEN	7206
B5332A	3-18-53	CENT	7282	X	ZEN	7206
B5333A	3-18-53	CENT	7282	X	ZEN	7206
B5334A	3-19-53	cent	7282	X	Z	7206
B5335A	3-19-53	cent	7282	X	Z	7206
B5336A	3-19-53	cent	7084	X	(CXZ)	7072
B5337A	3-20-53	cent	7282	X	Z	7206
B5338A	3-20-53	cent	7282	X	Z	7206
B5339A	3-20-53	cent	7083	X	(CXZ)	7072
B5340A	3-21-53	Z	7250	X	CXZ	7034
B5341A	3-21-53	Z	7250	X	C+Z	7034
B5342A	"	Z	7029	X	CXZ	7034
B5343A	"	Z	7029	X	CXZ	7034
B5344A	"	Z	7029	X	CXZ	7034
B5345A	"	Z	7029	X	CXZ	7034
B5346A	"	C	7087	X	Z	7029
B5347A	3-22-53	Z	7253	X	(CXZ)	7034
B5348A	"	Z	7253	X	(CXZ)	7034
B5349A	"	Z	7253	X	CXZ	7034
B5350A	"	C	7082	X	Z	7253

Crane ¹⁵₃₇

18

7 4/21

12 4/21

38

3 4/21

0

32 4/21

21 4/21

14 4/21

25 4/21

49 4/21

0 DAVIS

58 4/21

47 4/21

10

1 } W.C. DAVIS

1 4/21

0

1

2 4/21

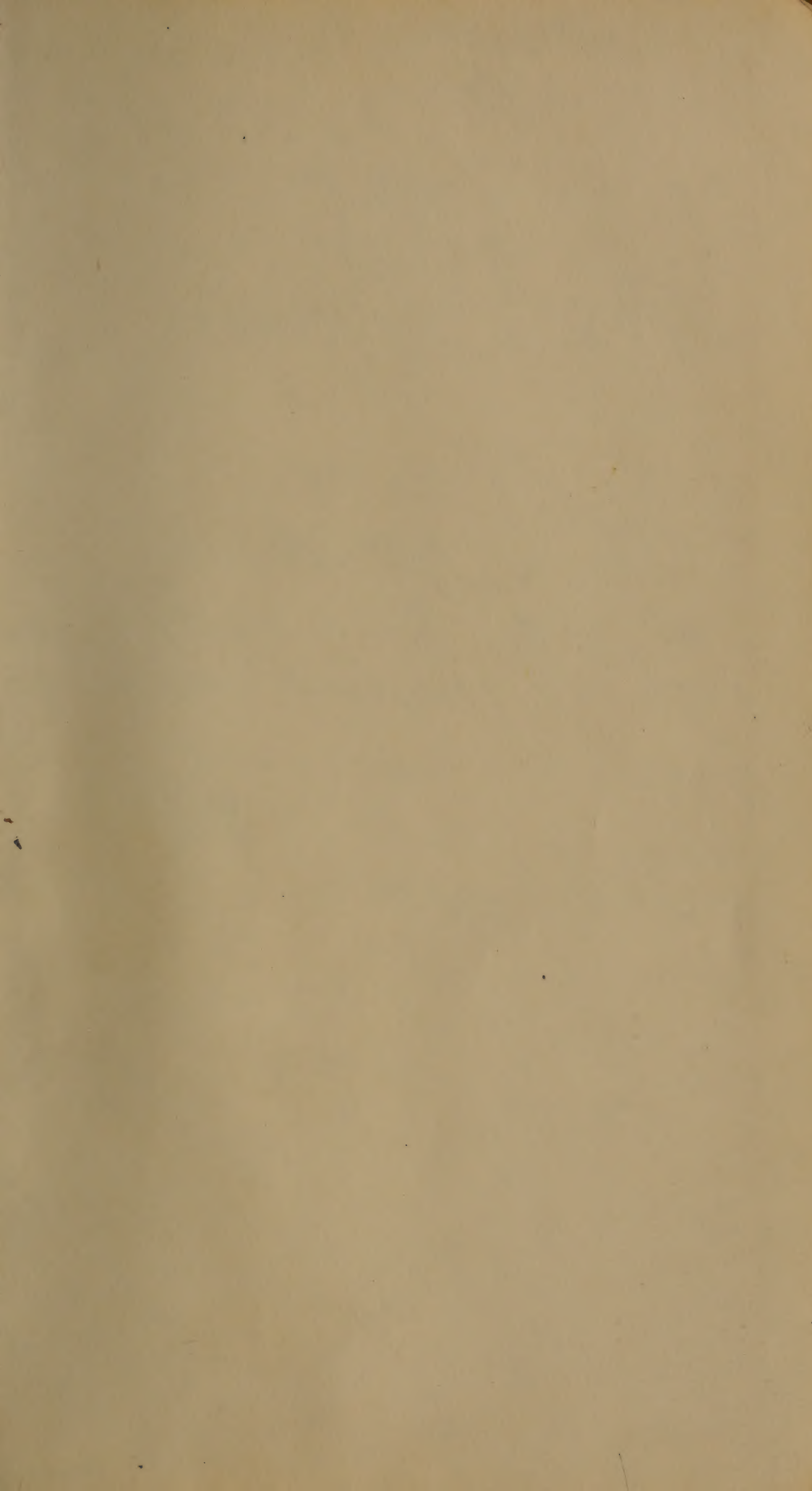
35 4/21 dusted pollen

0

0

27

14 4/21



Crosses to make

72 29 X BBT 50

72 40 X BBT 50

72 35 X cent. 231

72 31 X 72 28 ✓

72 31 X 72 19

72 19 Y BBT 50

cent. X (Cuban x cent) ✓

7058 X any rough var. ✓

7226 Y Cuban x cent

7224 Y cent } (Rovic)

7050 ^{cuban} X cent }

$\frac{26}{1}$
50

$\frac{26}{1}$
50

Natural crosses Cent x Zen

Cent.

68

F₁

1

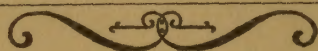
F ₁	C x (C x Z)	Z (C x Z)
2	9	36

1952

Henry M. Beachell

COMPLIMENTS OF
L. D. ROBERTSON & COMPANY
INSURANCE
700 American National Bank Building
TELEPHONE 4-6305

1952—Calendar—1952



JANUARY

SUN MON TUE WED THU FRI SAT

		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

JULY

SUN MON TUE WED THU FRI SAT

		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

FEBRUARY

SUN MON TUE WED THU FRI SAT

					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	

AUGUST

SUN MON TUE WED THU FRI SAT

					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

MARCH

SUN MON TUE WED THU FRI SAT

						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

SEPTEMBER

SUN MON TUE WED THU FRI SAT

		1	2	3	4	5	6
7	8	9	10	11	12	13	
14	15	16	17	18	19	20	
21	22	23	24	25	26	27	
28	29	30					

APRIL

SUN MON TUE WED THU FRI SAT

			1	2	3	4	5
6	7	8	9	10	11	12	
13	14	15	16	17	18	19	
20	21	22	23	24	25	26	
27	28	29	30				

OCTOBER

SUN MON TUE WED THU FRI SAT

				1	2	3	4
5	6	7	8	9	10	11	
12	13	14	15	16	17	18	
19	20	21	22	23	24	25	
26	27	28	29	30	31		

MAY

SUN MON TUE WED THU FRI SAT

					1	2	3
4	5	6	7	8	9	10	
11	12	13	14	15	16	17	
18	19	20	21	22	23	24	
25	26	27	28	29	30	31	

NOVEMBER

SUN MON TUE WED THU FRI SAT

							1
2	3	4	5	6	7	8	
9	10	11	12	13	14	15	
16	17	18	19	20	21	22	
23	24	25	26	27	28	29	
30							

JUNE

SUN MON TUE WED THU FRI SAT

1	2	3	4	5	6	7	
8	9	10	11	12	13	14	
15	16	17	18	19	20	21	
22	23	24	25	26	27	28	
29	30						

DECEMBER

SUN MON TUE WED THU FRI SAT

	1	2	3	4	5	6	
7	8	9	10	11	12	13	
14	15	16	17	18	19	20	
21	22	23	24	25	26	27	
28	29	30	31				

min. 800 Cent.
 450-500 BBT-50
 360 -

Found.

molte	BBT	30 ✓	15
"	2BBT	50 ✓	50

Fory	Rex	50 ✓	25
------	-----	------	----

Seeherg	BBT50	85 ✓
	TP49	100 ✓

maundy	Cent.	300 ✓
	BBT50	150 ✓

allenx gamma	Cent.	105 ✓
--------------	-------	-------

winterman	TP	100 ✓
-----------	----	-------

970 libels.

Filing Case in Internal Rev.
 Office is file # 22,502.

1953 Head Row

Allen & Gann
 $\frac{1}{2}$ of Century

300th BBT 50

Molte - Century

Mammy
Century
BBT - 50

TR/A budget \$7180.00 for

1952 season

6219.58 listed in ~~ad~~ audit

Tuesday, JANUARY 1

1st Day—365 days to come

Head Row Seed

Century Patna 857 300[✓] maturity

" (351) 105[✓] gain

Bluebonnet 50 (544) 150[✓] maturity

" (320) 85[✓] seeding

✓ Texora 583 50[✓] 7 ay
5 ay

✓ Imp. BBT 629 50[✓] Holte
5 ay

Bluebonnet 484 30[✓] Holte

✓ Texas Patna 539 100[✓] winterman

✓ TP 49 505 100[✓]

✓ B438A1-104-4 970 fls.

Wednesday, JANUARY 2

2nd Day—364 days to come

[Faint handwritten notes and bleed-through from the reverse side of the page are visible. Legible fragments include:]

Head Town...
Century Party 827...
" (1951) ...
Chubasco 20 (44) ...
" (380) ...
282 ...
1952 ...
TR/A budget ...
1952 ...
214.58 ...
100 ...
100 ...
100 ...

Thursday, JANUARY 3

3rd Day—363 days to come

Sunday, JANUARY 6

4th Day—366 days to come

Friday, JANUARY 4

4th Day—362 days to come

Saturday, JANUARY 5

5th Day—361 days to come

Sunday, JANUARY 6

6th Day—360 days to come

Monday, JANUARY 7

7th Day—359 days to come

Sunday, JANUARY 6

6th Day—360 days to come

Tuesday, JANUARY 8

8th Day—358 days to come

Wednesday, JANUARY 9

9th Day—357 days to come

Thursday, JANUARY 10

10th Day—356 days to come

Sunday, JANUARY 13

13th Day—233 days to come

Friday, JANUARY 11

11th Day—355 days to come

Saturday, JANUARY 12

12th Day—354 days to come

Sunday, JANUARY 13

13th Day—353 days to come

Monday, JANUARY 14

14th Day—352 days to come

Sunday, JANUARY 13

13th Day—353 days to come

Tuesday, JANUARY 15

15th Day—351 days to come

Wednesday, JANUARY 16

16th Day—350 days to come

Thursday, JANUARY 17

17th Day—349 days to come

Sunday, JANUARY 20

20th Day—346 days to come

Friday, JANUARY 18

18th Day—348 days to come

Saturday, JANUARY 19

19th Day—347 days to come

Sunday, JANUARY 20

20th Day—346 days to come

Monday, JANUARY 21

21st Day—345 days to come

Sunday, JANUARY 20

20th Day—346 days to come

Tuesday, JANUARY 22

22nd Day—344 days to come

Wednesday, JANUARY 23

23rd Day—343 days to come

Thursday, JANUARY 24

24th Day—342 days to come

Sunday, JANUARY 27

27th Day—339 days to come

Friday, JANUARY 25 T23

25th Day—341 days to come

Saturday, JANUARY 26

26th Day—340 days to come

Sunday, JANUARY 27

27th Day—339 days to come

Monday, JANUARY 28

28th Day—338 days to come

Sunday, JANUARY 27

27th Day—339 days to come

Tuesday, JANUARY 29

29th Day—337 days to come

*mailed annual report to
Rodenhouse*

Wednesday, JANUARY 30

30th Day—336 days to come

Thursday, JANUARY 31

31st Day—335 days to come

*mailed annual report to
Rodenheiser*

Sunday, FEBRUARY 3

34th Day—332 days to come

Friday, FEBRUARY 1

32nd Day—334 days to come

*Washed and
dressed*

Saturday, FEBRUARY 2

33rd Day—333 days to come

Sunday, FEBRUARY 3

34th Day—332 days to come

Monday, FEBRUARY 4

35th Day—331 days to come

Sunday, FEBRUARY 3

34th Day—332 days to come

3 Tuesday, FEBRUARY 5

36th Day—330 days to come

Wednesday, FEBRUARY 6

37th Day—329 days to come

Thursday, FEBRUARY 7

38th Day—328 days to come

Sunday, FEBRUARY 10

41st Day—325 days to come

Friday, FEBRUARY 8

39th Day—327 days to come

Ln Bmt. 7:00 am
arr. Bay City 11:00 am

Ln. 111 6:10 pm
arr. Angleton

Ln. "
arr. Bmt.

Saturday, FEBRUARY 9

40th Day—326 days to come

Sunday, FEBRUARY 10

41st Day—325 days to come

Monday, FEBRUARY 11

42nd Day—324 days to come

La Bont, 7:00 am
arr. Bay City 11:00 am
La. 11:10 6:10 pm
arr. Anglet

Sunday, FEBRUARY 10

41st Day—325 days to come

arr. Bont

Tuesday, FEBRUARY 12

43rd Day—323 days to come

Wednesday, FEBRUARY 13

44th Day—322 days to come

Thursday, FEBRUARY 14

45th Day—321 days to come

Sunday, FEBRUARY 17

48th Day—319 days to come

Friday, FEBRUARY 15

46th Day—320 days to come

Saturday, FEBRUARY 16

47th Day—319 days to come

Sunday, FEBRUARY 17

48th Day—318 days to come

Monday, FEBRUARY 18

49th Day—317 days to come

Sunday, FEBRUARY 17

48th Day—318 days to come

Tuesday, FEBRUARY 19

50th Day—316 days to come

Wednesday, FEBRUARY 20

51st Day—315 days to come

Thursday, FEBRUARY 21

52nd Day—314 days to come

Sunday, FEBRUARY 24

55th Day—311 days to come

Friday, FEBRUARY 22

53rd Day—313 days to come

Saturday, FEBRUARY 23

54th Day—312 days to come

Sunday, FEBRUARY 24

55th Day—311 days to come

Monday, FEBRUARY 25

56th Day—310 days to come

Sunday, FEBRUARY 24

55th Day—311 days to come

Tuesday, FEBRUARY 26

57th Day—309 days to come

Wednesday, FEBRUARY 27

58th Day—308 days to come

Thursday, FEBRUARY 28

59th Day—307 days to come

Sunday, MARCH 2

61st Day—305 days to come

V88 Friday, FEBRUARY 29 127

60th Day—306 days to come

Saturday, MARCH 1

61st Day—305 days to come

Sunday, MARCH 2

62nd Day—304 days to come

Monday, MARCH 3

63rd Day—303 days to come

Sunday, MARCH 2

62nd Day—304 days to come

2 Tuesday, MARCH 4

64th Day—302 days to come

Wednesday, MARCH 5

65th Day—301 days to come

Thursday, MARCH 6

66th Day—300 days to come

Sunday, MARCH 9

68th Day—297 days to come

Friday, MARCH 7

67th Day—299 days to come

Saturday, MARCH 8

68th Day—298 days to come

Sealed 1st hole Sunday

Sunday, MARCH 9

69th Day—297 days to come

Monday, MARCH 10

70th Day—296 days to come

Sunday, MARCH 9

69th Day—297 days to come

Tuesday, MARCH 11

71st Day—295 days to come

Sowed 1st date seedling

Wednesday, MARCH 12

72nd Day—294 days to come

just as the day is

Thursday, MARCH 13

73rd Day—293 days to come

Pasture Field day

Sunday, MARCH 16

75th Day—291 days to come

Friday, MARCH 14

74th Day—292 days to come

Early Evening, Jr. Scott. Miss.
visited Station

Saturday, MARCH 15

75th Day—291 days to come

Sunday, MARCH 16

76th Day—290 days to come

Monday, MARCH 17

77th Day—289 days to come

*Early Evening Jr. Sect. Miss.
visited Station*

Sunday, MARCH 18

78th Day—290 days to come

Tuesday, MARCH 18

78th Day—288 days to come

Wednesday, MARCH 19

79th Day—287 days to come

Thursday, MARCH 20

80th Day—286 days to come

Sunday, MARCH 23

83rd Day—283 days to come

Friday, MARCH 21ST

81st Day—285 days to come

Saturday, MARCH 22

82nd Day—284 days to come

Sunday, MARCH 23

83rd Day—283 days to come

Monday, MARCH 24

84th Day—282 days to come

Sunday, MARCH 23

83rd Day—283 days to come

Tuesday, MARCH 25

85th Day—281 days to come

let date according (March) first evening
of March 25th
the hole is dry and needs to be
flushed.
Arthur Hoffman
Purified water
let date according to
the hole is dry and needs to be
flushed.
Purified water
let date according to
the hole is dry and needs to be
flushed.

Wednesday, MARCH 26

86th Day—280 days to come

1st date seedling (march) first emerged
on march 25th
~~So~~ soil is dry and needs to be
flushed.

Finished pushing leuca and
lateral in small plot area
Irrigated 1st date Sdg. on March 27

Thursday, MARCH 27

Arthur Hoffman

Equador,
Plant Dec. (summer)

Sample of Century
until Tuesday

Friday, MARCH 28

38th Day—278 days to come

Size of fumigation chamber

6.8 feet long

3.7 feet wide

3.2 feet high

Methyl bromide weighs 14.4
pounds per gallon

Tullis used $24\frac{1}{2}$ c.c. for
 $1\frac{1}{4}$ pounds per 1000 cu. feet rate

20 cc for 1st treatment,
11 cc " 2nd " "

$$\frac{3785.33 \text{ cc per gal}}{14.4 \text{ (wt per gal)}} = 262.8 \text{ c.c.}$$

Saturday, MARCH 29

89th Day—277 days to come

north block date edg. about
25 % emerged on 3/28, South
block about 20 percent.

Sunday, MARCH 30

90th Day—276 days to come

Monday, MARCH 31

91st Day—275 days to come

6.8 feet deep as tank hole
3.7 feet wide
3.2 feet high

ethyl bromide weighs 14.4
pounds per gallon

Sunday, MARCH 30
80th Day—276 days to come

20 cc for 1st treatment
11 cc " 2nd "

$$\frac{785.33 \text{ cc per gal}}{14.4 \text{ (lb per gal)}} = 2628 \text{ cc.}$$

Tuesday, APRIL 1

92nd Day—274 days to come

Wednesday, APRIL 2

93rd Day—273 days to come

Thursday, APRIL 3

94th Day—272 days to come

Sunday, APRIL 6

97th Day—269 days to come

Friday, APRIL 4

95th Day—271 days to come

Saturday, APRIL 5

96th Day—270 days to come

*Emigrated March date approx.
learned April 9*

Sunday, APRIL 6

97th Day—269 days to come

Monday, APRIL 7

98th Day—268 days to come

Sunday, APRIL 6

97th Day—269 days to come

Tuesday, APRIL 8

99th Day—267 days to come

Druggatid Marsh date sdg.
drained april 9

Wednesday, APRIL 9

100th Day—266 days to come

Thursday, APRIL 10

101st Day—265 days to come

*Robertson's last night 10 - 11
(John's house) Henry, James*

Sunday, APRIL 13

104th Day—262 days to come

Friday, APRIL 11

102nd Day—264 days to come

Rodent here April 10 - 12.
Raining period, (several inches.)

Saturday, APRIL 12

103rd Day—263 days to come

Sunday, APRIL 13

104th Day—262 days to come

Monday, APRIL 14

105th Day—261 days to come

*Belin's diary April 12-17
my journal (general notes)*

Sunday, APRIL 13

104th Day—262 days to come

Tuesday, APRIL 15

106th Day—260 days to come

Fertilized March date seeding
Set happens as follows:

$$1 = 8$$

$$2 = 13$$

$$3 = 13$$

$$4 = 11$$

Used 58 # of S. A. (Phillips)
Irrigated April 15 and water
held for 8 days. Was not drained
but gradually dried out, was
not reflooded until May 16.
figures about 78 lbs N per
acre, approximate figures.
(using S. A. as 20 %)

Wednesday, APRIL 16

107th Day—259 days to come

Started harrowing land for
site of seeding and head row
blocks.

Thursday, APRIL 17

108th Day—258 days to come

Seeded 2nd date of seeding.
Flooded on April 19, drained
April 21.

started seeding head row blocks.
3 Century - just north of 1st seeding
3 Bkt 50 - north of Cent
2 TP 49 - north of Bkt 50 (last block)

Seeded 12 rows of each population
of Cent head rows, except north pop.
in each block which may or may not
have 12 rows, depending upon space.
Population 5 (1st on 2nd block) is pop.
sent to Crane for crossing with
Century Patna. 2 south block, started April 21
north block, April 19.
Sown April 17 + 18

Bkt 50 Head Rows sown April 18
used 10 populations, 12 rows, except as
noted, Pop #8 = 12 rows, block 2 and brown Bl 3;
Pop. 9 = 18 rows; Pop. 10 = 18 rows; Pop. 5 =
12 rows block 2, 3 rows on north of Bl. 3 and east end of 3

Friday, APRIL 18

109th Day—257 days to come

Field 11 South, sown April 18

Seed soaked 3 pm on Tues to 3 pm Wed
out of water until sown Friday morning.

Arasen treated and had rather long
sprouts. Drained Friday P.M.

Had been harrowed on Thursday.

Flooded Monday through Tuesday.

B13 50 Head row notes continued
from April 17.

pop 6 = east end of block 2

pop 1 = east end of block 1

all sown April 18, irrigated April 19

T P 49 Head rows, sown April 18
and irrigated April 19.
12 rows of each population sown,
except that one which has over 12 rows

Saturday, APRIL 19

110th Day—256 days to come

Sunday, APRIL 20

111th Day—255 days to come

Monday, APRIL 21

112th Day—254 days to come

Seeded crossed seeds of
Cent x 75 in cups

1 }
2 } 511A (tied together)
3 }
4 }
5 }
6 }

7 } 512A
8 }

Sunday, APRIL 20

111th Day—255 days to come

Tuesday, APRIL 22

113th Day—253 days to come

Wednesday, APRIL 23

114th Day—252 days to come

Needed cream under 7
Ant & Th. in cups

1 }
2 } 511A (tied together)
3 }
4 }
5 }
6 }

7 } 512A
8 }

Thursday, APRIL 24

115th Day—251 days to come

Sunday, APRIL 27

118th Day—248 days to come

Friday, APRIL 25

116th Day—250 days to come

Saturday, APRIL 26

117th Day—249 days to come

Sunday, APRIL 27

118th Day—248 days to come

Monday, APRIL 28

119th Day—247 days to come

Sunday, APRIL 27

118th Day—248 days to come

08 Tuesday, APRIL 29 V

120th Day—246 days to come

*I looked for you every day
and every day I thought
of you and your
eternal love*

Wednesday, APRIL 30

121st Day—245 days to come

Seeded field plots
check trust date

Thursday, MAY 1

122nd Day—244 days to come

I flooded 6 row ^{new} plots
and single row plots.

" 21 = 1	1
" 21 = 2	2
" 21 = 3	3
" 21 = 4	4
" 21 = 5	5
" 21 = 6	6
" 21 = 7	7
" 21 = 8	8
" 21 = 9	9
" 21 = 10	10
" 21 = 11	11

" 21 = 1	1
" 21 = 2	2
" 21 = 3	3
" 21 = 4	4
" 21 = 5	5
" 21 = 6	6
" 21 = 7	7
" 21 = 8	8
" 21 = 9	9
" 21 = 10	10
" 21 = 11	11

Sunday, May 3

" 21 = 1	1
" 21 = 2	2
" 21 = 3	3
" 21 = 4	4
" 21 = 5	5
" 21 = 6	6
" 21 = 7	7
" 21 = 8	8
" 21 = 9	9
" 21 = 10	10
" 21 = 11	11

" 21 = 1	1
" 21 = 2	2
" 21 = 3	3
" 21 = 4	4
" 21 = 5	5
" 21 = 6	6
" 21 = 7	7
" 21 = 8	8
" 21 = 9	9
" 21 = 10	10
" 21 = 11	11

Friday, MAY 2

123rd Day—243 days to come

Seeded Head Row Blocks just south of field plots. ²⁰⁰Rehan 5/2 + ²⁰⁰T. Patina and 438A on 5/3, except bulked seed.

North field plots

Population 1 = 15 rows
" 2 = 15 "
" 3 = 12 "
" 4 = 6 " + west end

" 4 = 6 "
" 5 = 18 "
" 6 = 15 "
" 7 = 8 " + west end

" 7 = 3 "
" 8 = 15 "
" 9 = 15 "
" 10 = 11 " + west end

Population 1 = 15 rows
" 2 = 18 "
" 3 = 12 " + west end

" 3 = 6 "

" 4 = 18 "

" 5 = 21 "

" 6 = 1 row and west end

Population 6 = 9 rows

" 7 = 12 "

" 8 = finish block and west end

Population 1 = 12 rows
2 = 12 "
3 = 12 "
4 = 12 " and west end

5 = 12 "
6 = 12 "
7 = 12 "
8 = 9 " and west end

9 = 12 "
10 = 12 "
11 = 12 "
12 = (see later)?

B438A1-104

1950 crop seed
B438A1-104

1950 crop seed
B438A1-104

1950 crop seed
B438A1-104

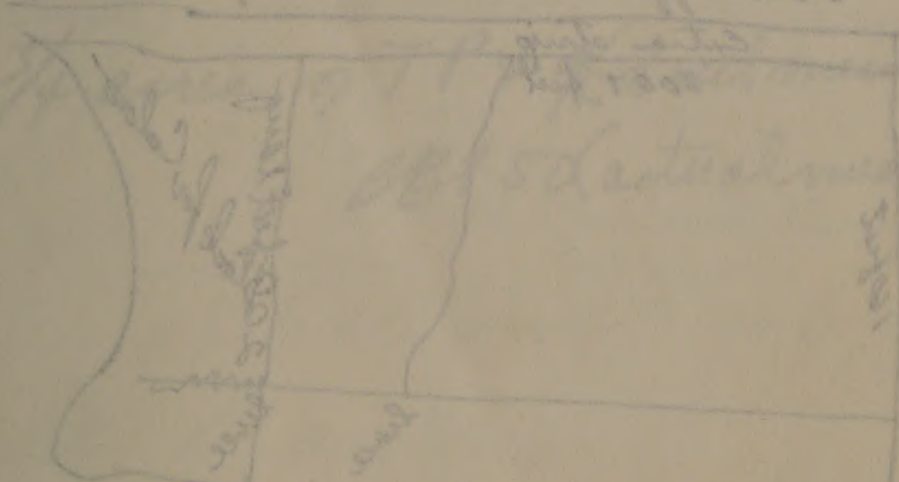
1950 crop seed
B438A1-104

This population is the same as the one in the 1950 crop seed

Saturday, MAY 3

124th Day—242 days to come

Field plots flooded May 2 + 3
North Rexoro block flooded May 3



Sunday, MAY 4

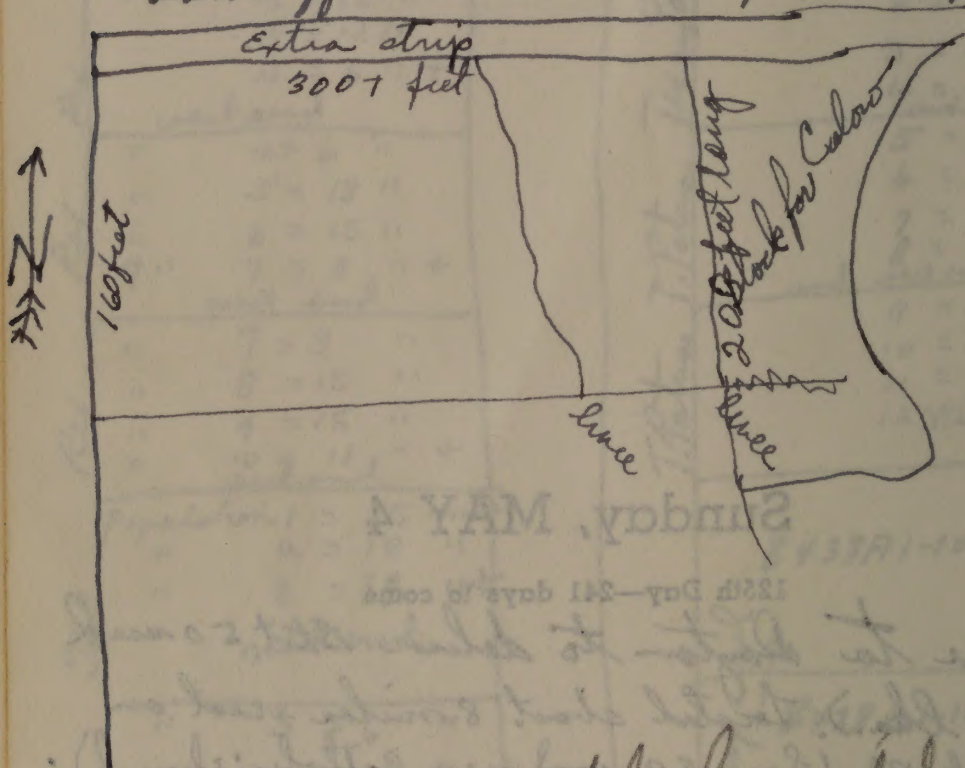
125th Day—241 days to come

Drove to Dayton to deliver Bst 50 seed
(300 lbs.). Located about 8 miles west on
Eastgate Rd. (Leave E. g. road near Catholic church);
 $\frac{1}{2}$ mi. west; 1 mile south. (to railroad);
2 miles west. Field on left.
T. Patua 49 also located in same
field.

Monday, MAY 5

126th Day—240 days to come

Seeded 1st 5 blocks of yield nurse
(1-70) numbers run south to
north. Plot 115 and 415 reversed in seeding.
Laid off Tullis' small plot expt.



Seeded last 5 blocks yield
nursery on May 7.

all irrigated May 10 and
drained May 12

Tuesday, MAY 6

127th Day—239 days to come

Breeding mura. & 6 row nest.
first emerged

13 $\frac{3}{4}$ acres of TP49 (drill measure)
BBT 50 (actual measure)

Wednesday, MAY 7

128th day—238 days to come

north 5 blocks field plots 1st
emerged May 7, south 5 on
May 8.

1

ended last 5 blocks yield

missing on May 7.

all irrigated May 10 and
drained May 12

Thursday, MAY 8

129th Day—237 days to come

Seeded 2BBT and rolled AA
BBT Head row seed at N-M
Farms, Anahua.

Drill sitting for 2BBT

52.3 start

60.6 end (includes 1 drill with
not sown)

8.3 or about 8. acres.

BBT. start = 60.6

End =

132nd Day—234 days to come

Friday, MAY 9

130th Day—236 days to come

Seeded Tullis block in
small plot area, just
south of yield nursery.

Rex on north
Caloro in center
Zenith on south

(irrigated
May 10
drained May 12)

Saturday, MAY 10

131st Day—235 days to come

Sunday, MAY 11

132nd Day—234 days to come

Monday, MAY 12

133rd Day—233 days to come

Tullis' maternal irrigated
May 12 in pm, drained
morning of May 14

Sunday, MAY 11

132nd Day—234 days to come

Wednesday, MAY 14

135th Day—231 days to come

Fertilized april date sowing,
and head row blocks of Century,
BKT 50 and TP 49.

Used nearly 400 lbs of S.A. (phos)
fertilizer (380#) on 10 blocks.

or about 75 # N per acre,
(figuring S.A. at 20 % N)

See april 15 for setting
of fertilizer distributor units.

Disease nursing sowing plan ←

Sown to	unless	Blank
BKT 50 sel	51-4307	
4501 - 4530		
4401	4446 →	4490
4301	4346 →	4390
4201 } →	4246 →	4290
4101	4146 →	4190

Thursday, MAY 15

136th Day—230 days to come

Ingrated head row blocks of Century, BB+50 and TP42 held flood.

seeded 2 blocks of Magnolia from Head row seed, using about 20 gms per row (103 feet long). These are just south of yield nursery on west side.

Also seeded F2 populations on west side, just south of magnolia head rows; used $1\frac{1}{2}$ blocks, numbers start on north side and go to south). The last half block is made up of Crane alternate row seeding of Zenith and Century 231.

Also seeded disease nursery. numbers start at north and go to south.

Friday, MAY 16

137th Day—229 days to come

Irrigated March and April
date sdy blocks and held flood.
March date lived May 13 and 14
March date

Transplanted F₁ plants of
2 x Cent to field, several
dead by May 20.

Saturday, MAY 17

138th Day—228 days to come

yield nursery blocks 1st emerged
on May 17
(about 170 or less had germinated
earlier or prior to flooding)
Fully emerged 20

Sunday, MAY 18

139th Day—227 days to come

Heavy rain, over 2 inches

Monday, MAY 19

140th Day—226 days to come

May date seedling 1st emerged
May 19

Sunday, MAY 18

139th Day—227 days to come

Tuesday, MAY 20

141st Day—225 days to come

Wednesday, MAY 21

142nd Day—224 days to come

May date reading 1st emerged
May 19

Thursday, MAY 22

143rd Day—223 days to come

Sunday, MAY 25

146th Day—220 days to come

Friday, MAY 23

144th Day—222 days to come

Saturday, MAY 24

145th Day—221 days to come

Sunday, MAY 25

146th Day—220 days to come

Monday, MAY 26

147th Day—219 days to come

Sunday, MAY 25

148th Day—220 days to come

85
Tuesday, MAY 27

148th Day—218 days to come

Sudd salt water block and
Freak, parent, introd, etc
block.

3 south rows of F₂ block (west side)
show 70 chlorotic
also 16, 17, & 18th rows from
south show chlorotic character

Drigsted yield mss.
Tullis block and 3rd
date sda for 1st time
flood held,

Wednesday, MAY 28

149th Day—217 days to come

Thursday, MAY 29

150th Day—216 days to come

Sunday, JUNE 1

152nd Day—213 days to come

Friday, MAY 30

151st Day—215 days to come

Saturday, MAY 31

152nd Day—214 days to come

Flooded May, Fr population, disease
pure seed etc (5 blocks on west side)
flood held.

Drained head row blocks south
of field plots on east side

Sunday, JUNE 1

153rd Day—213 days to come

Monday, JUNE 2

154th Day—212 days to come

Dressed yield nursery and
Tullis' $\frac{1}{10}$ acre plot.

Started fertilizing head row
plots with nugen.

Sunday, JUNE 1

153rd Day—213 days to come

Tuesday, JUNE 3

155th Day—211 days to come

1	$48\frac{1}{13}$	$- 33\frac{1}{15}$	$1.4\frac{1}{14}$	(8) 15
2	$47\frac{1}{11}$	$- 26\frac{1}{2}$	$20\frac{1}{15}$	(16) 21
3	$50\frac{1}{8}$	$35\frac{1}{10}$	$15\frac{1}{8}$	(13)
4	$49\frac{1}{11}$	$31\frac{1}{10}$	$1.7\frac{1}{7}$	(11)

310 # S.R. for 10 blocks of field plots.

fertilized breeding mums.
with nugsens and field
plots with S.R.

31 per $\frac{1}{10}$ acre plot

$\frac{310}{10} = 31$

Wednesday, JUNE 4

156th Day—210 days to come

Cant - 1		2198
		2201
	2	2203
	3	2206
	4	2209
	5	2212
	6	2215
	7	2218
	8	2223
	9	2226
2137		2229
		2232
		2235
	38	2238
	39	2242
2282 2296 (10 yrs) purple red		2245
		2248
		2251
		2254
		2257
		2261
		2264
		2267

single rows each
2 ft apart

2 blocks

all start at north + go to south

Thursday, JUNE 5

157th Day—209 days to come

Fertilized May date of
sowing with S. A.
Irrigated immediately

Sunday, JUNE 8

160th Day—206 days to come

Friday, JUNE 6

158th Day—208 days to come

1	2187	2187
2	2188	2188
3	2189	2189
4	2190	2190
5	2191	2191
6	2192	2192
7	2193	2193
8	2194	2194
9	2195	2195
10	2196	2196
11	2197	2197
12	2198	2198
13	2199	2199
14	2200	2200
15	2201	2201
16	2202	2202
17	2203	2203
18	2204	2204
19	2205	2205
20	2206	2206
21	2207	2207
22	2208	2208
23	2209	2209
24	2210	2210
25	2211	2211
26	2212	2212
27	2213	2213
28	2214	2214
29	2215	2215
30	2216	2216
31	2217	2217
32	2218	2218
33	2219	2219
34	2220	2220
35	2221	2221
36	2222	2222
37	2223	2223
38	2224	2224
39	2225	2225
40	2226	2226
41	2227	2227
42	2228	2228
43	2229	2229
44	2230	2230
45	2231	2231
46	2232	2232
47	2233	2233
48	2234	2234
49	2235	2235
50	2236	2236
51	2237	2237
52	2238	2238
53	2239	2239
54	2240	2240
55	2241	2241
56	2242	2242
57	2243	2243
58	2244	2244
59	2245	2245
60	2246	2246
61	2247	2247
62	2248	2248
63	2249	2249
64	2250	2250
65	2251	2251
66	2252	2252
67	2253	2253
68	2254	2254
69	2255	2255
70	2256	2256
71	2257	2257
72	2258	2258
73	2259	2259
74	2260	2260
75	2261	2261
76	2262	2262
77	2263	2263
78	2264	2264
79	2265	2265
80	2266	2266
81	2267	2267
82	2268	2268
83	2269	2269
84	2270	2270
85	2271	2271
86	2272	2272
87	2273	2273
88	2274	2274
89	2275	2275
90	2276	2276
91	2277	2277
92	2278	2278
93	2279	2279
94	2280	2280
95	2281	2281
96	2282	2282
97	2283	2283
98	2284	2284
99	2285	2285
100	2286	2286
101	2287	2287
102	2288	2288
103	2289	2289
104	2290	2290
105	2291	2291
106	2292	2292
107	2293	2293
108	2294	2294
109	2295	2295
110	2296	2296
111	2297	2297
112	2298	2298
113	2299	2299
114	2300	2300
115	2301	2301
116	2302	2302
117	2303	2303
118	2304	2304
119	2305	2305
120	2306	2306
121	2307	2307
122	2308	2308
123	2309	2309
124	2310	2310
125	2311	2311
126	2312	2312
127	2313	2313
128	2314	2314
129	2315	2315
130	2316	2316
131	2317	2317
132	2318	2318
133	2319	2319
134	2320	2320
135	2321	2321
136	2322	2322
137	2323	2323
138	2324	2324
139	2325	2325
140	2326	2326
141	2327	2327
142	2328	2328
143	2329	2329
144	2330	2330
145	2331	2331
146	2332	2332
147	2333	2333
148	2334	2334
149	2335	2335
150	2336	2336
151	2337	2337
152	2338	2338
153	2339	2339
154	2340	2340
155	2341	2341
156	2342	2342
157	2343	2343
158	2344	2344
159	2345	2345
160	2346	2346
161	2347	2347
162	2348	2348
163	2349	2349
164	2350	2350
165	2351	2351
166	2352	2352
167	2353	2353
168	2354	2354
169	2355	2355
170	2356	2356
171	2357	2357
172	2358	2358
173	2359	2359
174	2360	2360
175	2361	2361
176	2362	2362
177	2363	2363
178	2364	2364
179	2365	2365
180	2366	2366
181	2367	2367
182	2368	2368
183	2369	2369
184	2370	2370
185	2371	2371
186	2372	2372
187	2373	2373
188	2374	2374
189	2375	2375
190	2376	2376
191	2377	2377
192	2378	2378
193	2379	2379
194	2380	2380
195	2381	2381
196	2382	2382
197	2383	2383
198	2384	2384
199	2385	2385
200	2386	2386
201	2387	2387
202	2388	2388
203	2389	2389
204	2390	2390
205	2391	2391
206	2392	2392
207	2393	2393
208	2394	2394

at least it will be got soon

Saturday, JUNE 7

159th Day—207 days to come

Left Bunt on annual
leave for trip to
Colorado & Nebraska

Returned on June 22nd

Sunday, JUNE 8

160th Day—206 days to come

Monday, JUNE 9

161st Day—205 days to come

Sunday, JUNE 8

160th Day—206 days to come

Tuesday, JUNE 10

162nd Day—204 days to come

Wednesday, JUNE 11

163rd Day—203 days to come

Thursday, JUNE 12

164th Day—202 days to come

[Faint, illegible handwriting]

Sunday, JUNE 15

167th Day—199 days to come

[Faint, illegible handwriting]

VS Friday, JUNE 13

165th Day—201 days to come

Drained 1st row blocks
south of field plots about
this time or later. They were
dried; and flooded again
June 25.

1st row blocks north of
date seeding drained
June 8 or near this date
flooded again about 8;
June 14.

Saturday, JUNE 14

166th Day—200 days to come

gave date sowing sown June 14
watered immediately.

1st emerged June 19

full emerged June 24

Sunday, JUNE 15

167th Day—199 days to come

Monday, JUNE 16

168th Day—198 days to come

fertilized mag increase,
F2 pop, 10 strains etc, Sulamm.
Irrigated immediately
Fert. Salt water block & other
late sown block north of same at
same time.
Irrigated immediately

Sunday, JUNE 15

167th Day—199 days to come

81 Tuesday, JUNE 17 W

169th Day—197 days to come

Wednesday, JUNE 18

170th Day—196 days to come

disturbed may increase,
2 years ago the first etc. Suisun
I must immediately
fert. I set the black & other
the same black with some at
same time
Suisun immediately
to 1901 year
the same

Thursday, JUNE 19

171st Day—195 days to come

Sunday, JUNE 22

174th Day—362 days to come

*Returned to Bunt from
trip to Noh. & Chondan*

Friday, JUNE 20

172nd Day—194 days to come

Saturday, JUNE 21

173rd Day—193 days to come

Sunday, JUNE 22

174th Day—192 days to come

Returned to Bunt from
trip to Niles. + Colorado

Monday, JUNE 23

175th Day—191 days to come

Sunday, JUNE 22

174th Day—192 days to come

*Returned to Bank from
trip to John & Charles*

25 Tuesday, JUNE 24

176th Day—190 days to come

Field plots and breeding
nursery drawn today.

Wednesday, JUNE 25

177th Day—189 days to come

Thursday, JUNE 26

178th Day—188 days to come

Field plots and breeding
nursery drained today.

Sunday, JUNE 29

181st Day—185 days to come

Friday, JUNE 27 125

179th Day—187 days to come

Field plate and
yacht sketch

Saturday, JUNE 28

180th Day—186 days to come

Sunday, JUNE 29

181st Day—185 days to come

Monday, JUNE 30

182nd Day—184 days to come

Sunday, JUNE 29

181st Day—183 days to come

Tuesday, JULY 1

183rd Day—183 days to come

Irrigated June date seedling
for first time (to hold water)
also irrigated mag. Querc.
F & pup. and 2 late
sown blocks (mice & salt
water block) at north end of
east side of S 6.

Wednesday, JULY 2

184th Day—182 days to come

Started irrigating Tullis
material on Field 1

completed by July 3

Hoed main leuca.

Thursday, JULY 3

185th Day—181 days to come

Irrigated field plots,

Sunday, JULY 6

189th Day—173 days to come

WE Friday, JULY 4

186th Day—180 days to come

Started writing Fuller
material on Field Notes
completed by July 2
Herd man's book.

Saturday, JULY 5

187th Day—179 days to come

*Completed book of numbers
including 1-1000-10000*

Sunday, JULY 6

188th Day—178 days to come

Monday, JULY 7

189th Day—177 days to come

Irrigated breeding nursery
including 6-row plots.

Sunday, JULY 6

188th Day—178 days to come

Tuesday, JULY 8

190th Day—176 days to come

Wednesday, JULY 9

191st Day—175 days to come

Designated breeding nursery
including barrow plots.

Thursday, JULY 10

192nd Day—174 days to come

Sunday, JULY 13

195th Day—171 days to come

Friday, JULY 11

193rd Day—173 days to come

Fertilized June date
seedling and late
blocks at south end of west
side

zenith block fert by hand,
broadcasting 35# S. A. per
acre

Saturday, JULY 12

194th Day—172 days to come

Fertilized upland rice
 $\frac{1}{2}$ # per row S. R.

Sunday, JULY 13

195th Day—171 days to come

Monday, JULY 14

196th Day—170 days to come

Sunday, JULY 13

196th Day—171 days to come

81 Tuesday, JULY 15

197th Day—169 days to come

Seeded July date Idg.

Wednesday, JULY 16

198th Day—168 days to come

Herb returned from
Stuttgart

Thursday, JULY 17

199th Day—167 days to come

Sunday, JULY 20

202nd Day—184 days to come

Friday, JULY 18

200th Day—166 days to come

drained yield nursery
plots.

groups at south end of
roadside

2nd block, broadcast
1st S. 7.

Todd returned from Stuttgart.

Saturday, JULY 19

201st Day—165 days to come

~~Fert upland rice~~
~~the # per row S.A.~~

Sunday, JULY 20

202nd Day—164 days to come

Monday, JULY 21

203rd Day—163 days to come

Chen-chung arrived from Cronley
left on Saturday

Sunday, JULY 20

202nd Day—164 days to come

Todd returned from Stuttgart

85 Tuesday, JULY 22 W

204th Day—162 days to come

Innocent HD. maternal on
Tuesday

Wednesday, JULY 23

205th Day—161 days to come

Francis & Herb left.

Trip to Angleton and
converted Rice mill.

Thursday, JULY 24

206th Day—160 days to come

sub-... of ...
... ..

Sunday, JULY 27

209th Day—157 days to come

Chian - Chung left today

Friday, JULY 25

207th Day—159 days to come

Terry Johnson here

Irigated gold nursery

Saturday, JULY 26

208th Day—158 days to come

Sunday, JULY 27

209th Day—157 days to come

Chan - chung left today

Monday, JULY 28

210th Day—156 days to come

Sunday, JULY 27

209th Day—157 days to come

08 Tuesday, JULY 29 W

211th Day—155 days to come

Wednesday, JULY 30

212th Day—154 days to come

Gursinburg & Trucks arrived
at 1:39 pm

Thursday, JULY 31 2

213th Day—153 days to come

gusenherry left at 5:35pm

Sunday, AUGUST 3

216th Day—150 days to come

Friday, AUGUST 1

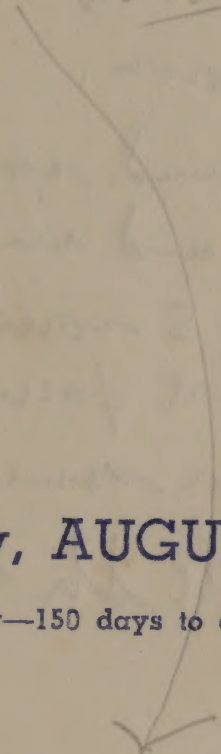
214th Day—152 days to come

Truck left at noon

Saturday, AUGUST 2

215th Day—151 days to come

fished at Ft Travis pier,
caught 24 trout



Sunday, AUGUST 3

216th Day—150 days to come

Monday, AUGUST 4

217th Day—149 days to come

Roughed Cent. H.R. blocks
found several med-gr roughies,
about Cent. most, had pronounced,
were in rows.

also found some in BBH 50
HR blocks and in TP 49 blocks
Several highly S rows to straight
head (P.) were found in Cent. Were
these str. hd or some other variation?

8 AUGUST 8
SUNDAY
Conspicuous str. hd over Cent
blocks.
218th Day—150 days to come

Tuesday, AUGUST 5

218th Day—148 days to come

Wednesday, AUGUST 6

219th Day—147 days to come

Thursday, AUGUST 7

220th Day—146 days to come

Sunday, AUGUST 10

223rd Day—143 days to come

Friday, AUGUST 8

221st Day—145 days to come

Saturday, AUGUST 9

222nd Day—144 days to come

justice did play him

Sunday, AUGUST 10

223rd Day—143 days to come

Monday, AUGUST 11

224th Day—142 days to come

Planted July date seedling

Sunday, AUGUST 10

223rd Day—143 days to come

8 Tuesday, AUGUST 12 W

225th Day—141 days to come

Wednesday, AUGUST 13

226th Day—140 days to come

Drained July ditch seeding

Thursday, AUGUST 14

227th Day—139 days to come

*Drained Century Head Row blocks
fertilized July date seedling.
Irrigated same day.*

Sunday, AUGUST 17

229th Day—136 days to come

Friday, AUGUST 15

228th Day—138 days to come

Saturday, AUGUST 16

229th Day—137 days to come

Drained Century Head Row blocks
Fertilized July date seedling.
Irrigated same day.

Sunday, AUGUST 17

230th Day—136 days to come

Monday, AUGUST 18

231st Day—135 days to come

Mr. Chao from Formosa
here.

Sunday, AUGUST 17

230th Day—136 days to come

Tuesday, AUGUST 19

232nd Day—134 days to come

Trip to McMillan farm

Wednesday, AUGUST 20

233rd Day—133 days to come

Prof. Gilbert 195
The Chas from Tjivaka
here.

11 AUGUST 1955

and a small one - 1955

Thursday, AUGUST 21

234th Day—132 days to come

Sunday, AUGUST 24

237th Day—129 days to come

Friday, AUGUST 22

235th Day—131 days to come

Saturday, AUGUST 23

236th Day—130 days to come

*gray kelp 7' 3, brown
brown kelp 4' 5, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000*

Sunday, AUGUST 24

237th Day—129 days to come

Monday, AUGUST 25

238th Day—128 days to come

Drowned, ε ^{med-or} ~~f~~ plat group
and groups 1 + 2 of yeld mus.
about this time.

Sunday, AUGUST 24

237th Day—129 days to come

Tuesday, AUGUST 26

239th Day—127 days to come

Wednesday, AUGUST 27

240th Day—126 days to come

Dressed, 2 of "plot group"
and groups 1 & 2 of yield group
about this time.

Thursday, AUGUST 28

241st Day—125 days to come

Cut red row plots from
2: seed - go group. (ad. cut
cut and to cross (cut on Sept 24)
cut cut, to cross, cut (long
q. block, R x 2 and Cal - 14700
Sept 24 - cut

Sunday, AUGUST 31

244th Day—122 days to come

Friday, AUGUST 29

242nd Day—124 days to come

Saturday, AUGUST 30

243rd Day—123 days to come

cut rod row plots from
E. med-gr group. (all but
Cent and LaCrosse) (cut on Sept 2)
cut Cent, LaCrosse, Cent, (long-
gr. block, R x Z and Cal-1470m
Sept 2.

Sunday, AUGUST 31

244th Day—122 days to come

Monday, SEPTEMBER 1

245th Day—121 days to come

Harvested early field plots.

Cut Cent in early, med and in
early long blocks, E. med-gr
block was very dry and E.
long block was flooded.
compare milling quality.

Cut yield nursery plots

8 Tuesday, SEPTEMBER 2

246th Day—120 days to come

cut balance of yield mns.
plots in adv. mns & in
det. seedling
drained group 3, yield mns.

Wednesday, SEPTEMBER 3

247th Day—119 days to come

Adam arrived in P.M.

Thursday, SEPTEMBER 4

248th Day—118 days to come

Started cutting B&B 50
Red row seeds. finished on
Friday. Threshed on
5 & 6 th dried on 6 th.

Sunday, SEPTEMBER 7

251st Day—115 days to come

Friday, SEPTEMBER 5

249th Day—117 days to come

Adam here, I think
the day is over
no labor 5, just 4
to 5 in hand to 5 & 2

Saturday, SEPTEMBER 6

250th Day—116 days to come

adam left for Stutt
Left for Austin. —

Sunday, SEPTEMBER 7

251st Day—115 days to come

Monday, SEPTEMBER 8

252nd Day—114 days to come

Returned from Austin.

Sunday, SEPTEMBER 7

251st Day—115 days to come

01 Tuesday, SEPTEMBER 9 W

253rd Day—113 days to come

Boys threshed nursery plots

Wednesday, SEPTEMBER 10

254th Day—112 days to come

Visited Roy Leasing BBT 50
fields. Head R. Luer. is
missing mat. Saved
heads for 1953 Head Ron
stock. found several golds in
H.R. men.

also visited Nolte BBT and
Imp. BBT fields (H.R. increase)
Imp. BBT v. badly damaged by
H.O. on glumes. BBT is
only moderately spotted.
Drained 2 groups field plots,
(E. long & mid long)

Thursday, SEPTEMBER 11

255th Day—111 days to come

Threshed early field plot sample
had been a drying ramp.

Sunday, SEPTEMBER 14

256th Day—108 days to come

Friday, SEPTEMBER 12

256th Day—110 days to come

Photographed, Shorts, BBT-BBT 50,
2mg BBT, Fort. BK, Caloro, High mix
Caloro today, v. clear day + shot
at 1/50 - 11.

one 2mg BBT H.R. at 8 + 1 at 11
T. Patra H.R. showing diff families
also took B438A H.R. showing
off type row.

Harvested nursery bundles.

Saturday, SEPTEMBER 13

257th Day—109 days to come

Sunday, SEPTEMBER 14

258th Day—108 days to come

Monday, SEPTEMBER 15

259th Day—107 days to come

Photographed. Shanty, B&W, 65150.
Long shot, Fort. Bk, Calico, High Way
across today. V. clear day & shot
at 150 - 11.

See Long B&W H.R. at 8 + 1 at 11.
Patia H.R. showing diff. from
the top 64220 H.R. showing
of type now.

Monday, SEPTEMBER 14

258th Day—108 days to come

Tuesday, SEPTEMBER 16

260th Day—106 days to come

Wednesday, SEPTEMBER 17

261st Day—105 days to come

Thursday, SEPTEMBER 18

262nd Day—104 days to come

Sunday, SEPTEMBER 21

265th Day—101 days to come

V8 Friday, SEPTEMBER 19 T7

263rd Day—103 days to come

Saturday, SEPTEMBER 20

264th Day—102 days to come

Sunday, SEPTEMBER 21

265th Day—101 days to come

Monday, SEPTEMBER 22

266th Day—100 days to come

Sunday, SEPTEMBER 21

265th Day—101 days to come

Tuesday, SEPTEMBER 23

267th Day—99 days to come

Wednesday, SEPTEMBER 24

268th Day—98 days to come

Thursday, SEPTEMBER 25

269th Day—97 days to come

Sunday, SEPTEMBER 28

272nd Day—94 days to come

Friday, SEPTEMBER 26

270th Day—96 days to come

Saturday, SEPTEMBER 27

271st Day—95 days to come

Thurs. 1897, 1st of the month
died wch. moisture 10.4%
wt. 1248 (12.5%) (12.5%)

Sunday, SEPTEMBER 28

272nd Day—94 days to come

Monday, SEPTEMBER 29

273rd Day—93 days to come

Started cutting my BBT.

Sunday, SEPTEMBER 28

272nd Day—94 days to come

Tuesday, SEPTEMBER 30

274th Day—92 days to come

Threshed Dry Bkt.

dried wcd. moisture 10.4%

wt. 1248# (12 dx) (Br. Lardal)

Found 10-12 Red points in

Dry Bkt. Had produced 2nd yr.
are more relatively easy to find
the longer
and number of like plants not
beiled or quite starting to bud.
thought to be North American.

To be combined on Oct. 4th

Thursday, OCTOBER 2

276th Day—90 days to come

Trip to Nottis to examine
Hd Row Dump Bkt + Bkt.

Found 10-12 Red plants in
Dump Bkt, Had produced 2nd gr.
so were relatively easy to find.
Another ^{large} number of late plants not
headed or just starting to head.
Thought to be Nath. Crosses.

To be combined on Oct 4th

Friday, OCTOBER 3

277th Day—89 days to come

Trip to North to examine
the low Camp Creek & North

Found 10-15 Red plants in
Camp Creek, but produced seed of
no more collected except the first
one. The plants are a little taller than
the others and are not so numerous.
Thought to be North American.

To be continued on Oct 4th

Saturday, OCTOBER 4

278th Day—88 days to come

Sunday, OCTOBER 5

279th Day—87 days to come

Monday, OCTOBER 6

280th Day—86 days to come

Sunday, OCTOBER 5

279th Day—87 days to come

8 Tuesday, OCTOBER 7

281st Day—85 days to come

Wednesday, OCTOBER 8

282nd Day—84 days to come

Thursday, OCTOBER 9

283rd Day—83 days to come

Sunday, OCTOBER 12

286th Day—80 days to come

Friday, OCTOBER 10

284th Day—82 days to come

Saturday, OCTOBER 11

285th Day—81 days to come

Sunday, OCTOBER 12

286th Day—80 days to come

Monday, OCTOBER 13

287th Day—79 days to come

Sunday, OCTOBER 12

286th Day—80 days to come

Tuesday, OCTOBER 14

288th Day—78 days to come

Cut & Threshed 8438A
head-row this morn.

Wednesday, OCTOBER 15

239th Day—77 days to come

Thursday, OCTOBER 16

290th Day—76 days to come

Cut & Threshed B43PA
head-row this week.

Sunday, OCTOBER 19

30th Day—73 days to come

Friday, OCTOBER 17

291st Day—75 days to come

Cut + Threshed 84387
hired - now this week.

Monday, OCTOBER 20

294th Day—72 days to come

Started cutting T. P. head
row seed.

Sunday, OCTOBER 19

293rd Day—73 days to come

Tuesday, OCTOBER 21

295th Day—71 days to come

Wednesday, OCTOBER 22

296th Day—70 days to come

Started cutting T. P. heads
now seed.

Thursday, OCTOBER 23

297th Day—69 days to come

Sunday, OCTOBER 26

300th Day—66 days to come

W88 Friday, OCTOBER 24 T2

298th Day—68 days to come

Saturday, OCTOBER 25

299th Day—67 days to come

Sunday, OCTOBER 26

300th Day—66 days to come

Monday, OCTOBER 27

301st Day—65 days to come

Sunday, OCTOBER 28

300th Day—66 days to come

Tuesday, OCTOBER 28

302nd Day—64 days to come

Wednesday, OCTOBER 29

303rd Day—63 days to come

Thursday, OCTOBER 30

304th Day—62 days to come

Sunday, NOVEMBER 2

307th Day—59 days to come

WO Friday, OCTOBER 31 TS

305th Day—61 days to come

Saturday, NOVEMBER 1

306th Day—60 days to come

Sunday, NOVEMBER 2

307th Day—59 days to come

Monday, NOVEMBER 3

308th Day—58 days to come

Sunday, NOVEMBER 2

307th Day—59 days to come

2 Tuesday, NOVEMBER 4

309th Day—57 days to come

Herbert Herzfeldt from
Ecuador arrived, was here
Thursday and Friday, went to
Houston with Donald Lytle,
arrived from Ecuador by bus
boat, was born in Berlin &
is with Arthur Hoffmann Co.
Interested in becoming a naturalized
citizen.
Plan to attend college some
where

Wednesday, NOVEMBER 5

310th Day—56 days to come

Thursday, NOVEMBER 6

311th Day—55 days to come

Herbert Herzfeldt from
Ecuador arrived. Was here
Thursday and Friday, went to
Houston with Donald Lyttleton,
arrived from Ecuador by banana
boat, was born in Berlin &
is with Arthur Hoffmann Co.
Interested in becoming a naturalized
citizen.
Plans to attend college some
where

Friday, NOVEMBER 7

312th Day—54 days to come

Louis Frohmann arrived from
Uruguay S.A. (Rice grower)

Saturday, NOVEMBER 8

313th Day—53 days to come

Sunday, NOVEMBER 9

314th Day—52 days to come

Monday, NOVEMBER 10

315th Day—51 days to come

Louis Frohman arrived from
New York S.H. (Rice grower)

Sunday, NOVEMBER 9

314th Day—52 days to come

B4545 A2-3-2, T. Patna x Hill Mod. 51-546/etal

advance one of 3 lots of seed

B4545 A2-3-2-1-1, T. Patna x Hill Mod. 51-5459.
(164gms) 52-126

Late

advance one of 3 lots of seed

B 4545 A2-3-2-4-2, T. Patna x Hill Med. 51-5467

Late, a full TP grain (165 gms)
type; quality appears O.K.

Put in field plots if possible
adv. one of 3 lots of seed.

B4544A1-27-1-3, R-7689 x 8975

Late group

(10)

50-5884

51-110

52-123

JACKSON OPTICAL SERVICE

126 BOWIE BUILDING

Phone 51463

BEAUMONT, TEXAS

[illegible]

All claims and returned goods **MUST** be accompanied by this bill.

No.

478

Rec'd by

[R] Lamb Printing & Stationery Co., Beaumont, Texas

24 hrs.
36 hrs.

36 hrs.

Tues morning

sent Wed morning

Plant Thurs PM or

Friday morning.

Sun in day, shed at
night.

3:30 PM Thurs.

7:30 Friday

on arch date first
april 15
Settings on Hoppers -

$$1 = 8$$

$$2 = 13$$

$$3 = 13$$

$$4 = 11 - 10$$

South Century

Hd Row Bl.

1 row not first

Used 58 # first
on March date
Seedling

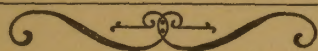
Tuesday, NOVEMBER 11

316th Day—50 days to come

Schmidt on way to
Pakistan stopped 7/ for
1 day this week?

Was from Okla As M in banking
business at Okla City. Heading
up point of work there, was
interested in general rec information

1953—Calendar—1953



JANUARY

SUN	MON	TUE	WED	THU	FRI	SAT
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

JULY

SUN	MON	TUE	WED	THU	FRI	SAT
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

FEBRUARY

SUN	MON	TUE	WED	THU	FRI	SAT
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28

AUGUST

SUN	MON	TUE	WED	THU	FRI	SAT
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

MARCH

SUN	MON	TUE	WED	THU	FRI	SAT
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

SEPTEMBER

SUN	MON	TUE	WED	THU	FRI	SAT
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

APRIL

SUN	MON	TUE	WED	THU	FRI	SAT
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

OCTOBER

SUN	MON	TUE	WED	THU	FRI	SAT
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

MAY

SUN	MON	TUE	WED	THU	FRI	SAT
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

NOVEMBER

SUN	MON	TUE	WED	THU	FRI	SAT
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

JUNE

SUN	MON	TUE	WED	THU	FRI	SAT
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

DECEMBER

SUN	MON	TUE	WED	THU	FRI	SAT
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

